					ST DEPARTMENT DIVISION C		URAL RESC				AMEN	FC DED REPOR	RM 3	
		AP	PLICATION	FOR PE	RMIT TO DRILL				1	. WELL NAME a	nd NUMBER Three River	s 18-31-82	21	
2. TYPE O	F WORK	DRILL NEW WELL	REEN	TER P&A W	/ELL DEEPEN	NWELL (	)		3	. FIELD OR WIL		M HILLS		
4. TYPE O	F WELL		l Well		Methane Well: NO		f		5	i. UNIT or COM			ENT NAM	1E
6. NAME O	F OPERATOR	OI		A ENERGY					7	. OPERATOR PI		6-5200		
8. ADDRESS OF OPERATOR 1430 Larimer Ste 400, Denver, CO, 80202									9	. OPERATOR E	-MAIL			
10. MINERAL LEASE NUMBER 11. MINERAL OWNERSHIP									_ 1	rsatre@axiaenergy.com  12. SURFACE OWNERSHIP				
ratefiled 9 9 9								) FEE (	~	FEDERAL	INDIAN 🗍	STATE	~	EE 🖲
			Duray Nationa	l Wildlife R	efuge - USFWS					4. SURFACE O	435-54	5-2522		
15. ADDR	ESS OF SURFA	CE OWNER (if box		64 Box 23	32, ,				1	6. SURFACE O		_ (if box 12 ad@fws.go		
	N ALLOTTEE OI = 'INDIAN')	R TRIBE NAME		MU	S. INTEND TO COMN ULTIPLE FORMATIO YES (Submit C	NS	RODUCTION		_	9. SLANT VERTICAL	DIRECTION	AL 📵 H	IORIZON1	ΓAL 💮
20. LOC	TION OF WELL			FOOT	AGES	QTR	R-QTR	SECT	TION	TOWNSHIP	R	ANGE	МЕ	ERIDIAN
LOCATIO	N AT SURFACE			503 FNL 2	2626 FWL	NE	NW	18	3	8.0 S	2	1.0 E		S
Top of U	ppermost Prod	ucing Zone		660 FNL	1980 FEL	NV	VNE	18	3	8.0 S	2	1.0 E		S
At Total	Depth			660 FNL	1980 FEL	NW	VNE	18	3	8.0 S	2	1.0 E		S
21. COUN	TY	UINTAH		22	. DISTANCE TO NEA	AREST LEA 503		eet)	2	3. NUMBER OF		ILLING UN	İT	
					. DISTANCE TO NEA pplied For Drilling		eted)	POOL	2	6. PROPOSED I		TVD: 662	0	
27. ELEV	ATION - GROUN	ID LEVEL 4667		28	BOND NUMBER	LPM904			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-2262 - RNI at Green River					
			7	7	Hole, Casing	g, and Ce	ment Info	rmation						
String	Hole Size	Casing Size	Length	Weigh	ht Grade & Th	nread	Max Mu	i Wt.		Cement		Sacks	Yield	Weight
Surf	11	8.625	0 - 1000	32.0	) J-55 LT	&C	8.7		Premi	um Lite High	Strength	100	2.97	11.5
Prod	7.875	5.5	0 - 6730	17.0	) J-55 LT	&C	9.2		Premi	Class G um Lite High	Strength	115 450	2.31	15.8
1100	7.070	0.0	0 0100	17.0	0 00 210	40	J.Z		1 101111	uni Lite riigii	Strongth	1 400	2.01	12.0
					A	ATTACHN	MENTS							
	VER	IFY THE FOLLO	WING ARE	ATTACHE	ED IN ACCORDAN	NCE WITH	H THE UTA	H OIL AN	ND GAS (	CONSERVATIO	ON GENERA	L RULES		
<b>⊮</b> w	ELL PLAT OR M	AP PREPARED BY L	ICENSED SU	RVEYOR O	R ENGINEER		сомі	PLETE DRII	ILLING PLA	AN				
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)							FORM	5. IF OPER	RATOR IS	OTHER THAN T	HE LEASE OV	/NER		
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)  TOPOGRAPHICAL MAP														
NAME Don Hamilton TITLE Permitting Agent (Buys & Associates							ates, Inc)				<b>PHONE</b> 435 7	19-2018		
SIGNATURE   DATE 10/03/2012											EMAIL starpoi	nt@etv.net		
API NUMBER ASSIGNED 43047532770000 APPROVAL														
Permit Ma								Manager						

# **DRILLING PLAN**

Axia Energy, LLC
Three Rivers Project
Three Rivers #18-31-821
NENW Sec 18 T8S R21E
Uintah County, Utah

# 1. **ESTIMATED FORMATION TOPS**

FORMATION		TOP (TVD)	COMMENTS
Uinta		Surface	Gas & Degraded Oil; Possible Brackish H <sub>2</sub> O
Green River		2,402'	Oil & Associated Gas
Lower Gree	en River*	4,320′	Oil & Associated Gas
Wasatch*		6,120′	Oil & Associated Gas
TD	6,730' (MD)	6,620' (TVD)	

NOTE: Datum, Ground Level (GL) Elevation: 4,667, Asterisks (\*) denotes target pay intervals

A) The State of Utah, Division of Oil, Gas and Mining will be notified within 24 hours of spudding the well.

# 2. CASING PROGRAM

CASING	HOLE SIZE	DEPTH SET (MD)	CSG SIZE	WGHT	GRD	THRD	CAPACITY (bbl/ft)
CONDUCTOR		50-100	13 3/8				
SURFACE	11	1000 ±	8 %	32.0	J-55	LTC	0.0609
PRODUCTION	7 %	6,730′	5 ½	17.0	J-55	LTC	0.0232

NOTE: All casing depth intervals are to surface unless otherwise noted.

#### Casing Specs

SIZE (in)	ID (in)	DRIFT DIA (in)	COLLAPSE RESISTANCE (psi)	INTERNAL YIELD (psi)	TENSILE YIELD (lbs)	JOINT STRENGTH (lbs)
8 %	7.921	7.796	2,530	3,930	503,000	417,000
5 ½	4.892	4.767	4,910	5,320	272,000	273,000

<sup>\*</sup>The State of Utah will be notified 24 hours prior to running casing, cementing, and BOPE testing

#### **FLOAT EQUIPMENT**

SURFACE (8 5/8): Float Shoe, 1 JNT Casing, Float Collar

1st 4 Joints: every joint

Centralizers:

Remainder: every third joint

PRODUCTION (5 1/2): Float Shoe, 1 JNT Casing, Float Collar

Centralizers: 1<sup>st</sup> 4 Joints: every joint

Remainder: every third joint 500' into surface casing

NOTE: 5 1/2" 17# J-55 or equivalent marker collar or casing joints will be placed at the top of the Green

River and approximately 200' above the Wasatch.

### 3. <u>CEMENT PROGRAM</u>

CONDUCTOR (13 3/8): Ready Mix – Cement to surface

SURFACE (8 5/8): Cement Top: Surface

Lead: 100 sks, Premium Lightweight Cmt w/ additives, 11.50 ppg, 2.97

cf/sk, 50% excess

Tail: 115 sks Class G Cement w/ additives, 15.80 ppg, 1.16 cf/sk, 50%

excess

NOTE: The above volumes are based on a gauge-hole + 50% excess.

**PRODUCTION** (5 ½): Cement Top – 2,000'

450 sacks - Light Premium Cement w/ additives - 12.0 ppg, 2.31

ft3/sk - 20% excess

NOTE: The above volumes are based on gauge hole + 20%

excess. Adjustments will be made and volumes will be caliper +

10%.

NOTE: The above volumes are based on a gauged-hole. Adjustments will be made based on caliper.

- A) For Surface casing, if cement falls or does not circulate to surface, cement will be topped off.
- B) Cement will not be placed down annulus with a 1" pipe unless BLM is contacted.
- c) The State of Utah will be notified 24 hours prior to running casing and cementing.

#### 4. PRESSURE CONTROL EQUIPMENT

- A) The State of Utah, Division of Oil, Gas and Mining will be notified 24 hours prior to all BOPE pressure tests.
- **B)** The BOPE shall be closed whenever the well is unattended.
  - a) All BOPE connections subjected to well pressure will be flanged, welded, or clamped.
  - b) Choke Manifold:

- i) Tee blocks or targeted 'T's will be used and anchored to prevent slip and reduce vibration.
- ii) Two adjustable chokes will be used in the choke manifold.
- iii) All valves (except chokes) in kill line choke manifold and choke line will not restrict the flow.
- iv) Pressure gauges in the well control system will be designed for drilling fluid.

#### c) BOPE Testing:

- a) BOPE shall be pressure tested when initially installed, whenever any seal subject to pressure testing is broken, or after repairs.
- b) All BOP tests will be performed with a test plug in place.
- c) BOP will be tested to full stack working pressure and annular preventer to 50% stack working pressure.

INTERVAL	BOP EQUIPMENT
0 – 1000 ±	11" Diverter with Rotating Head
1000 ± – TD	3,000# Ram Double BOP & Annular with Diverter & Rotating Head
NOTE: Drilling spool to acc	ommodate choke and kill lines

#### 5. MUD PROGRAM

- A) Mud test will be performed at least every 24 hours and after mudding up to determine density, viscosity, gel strength, filtration, and pH.
- B) Gas-detecting equipment will be installed and operated in the mud-return system from top of Green River Formation to TD.
  - a) Flare line discharge will be located no less than 100 feet from the wellhead using straight or targeted 'T's and anchors.

INTERVAL	MUD WGHT	VISC	FLUID LOSS	COMMENTS
SURF - 1000 ±	8.4 – 8.7 ppg	32	NC	Spud Mud
$1000 \pm - TD$	8.6 – 9.2 ppg	40	NC	DAP/Gel

NOTE: Mud weight increases will be directed by hole conditions.

## 6. ABNORMAL CONDITIONS

- A) No abnormal pressures or temperatures are anticipated.
  - a) Estimated bottom hole pressure at TD will be approximately 2,867 psi (normal pressure gradient: 0.433 psi/ft).
  - b) Estimated maximum surface pressure will be approximately 1,456 psi (estimated bottom hole minus pressure of partially evacuated hole (gradient: 0.220 psi/ft)).
- B) No hydrogen sulfide is anticipated.

INTERVAL	CONDITION
SURF - 1000 ±	Lost Circulation Possible
1000 ± - TD	Lost Circulation Possible

## 7. **AUXILIARY EQUIPMENT**

A) Choke Manifold

- B) Upper and lower kelly cock with handle available
- c) Stabbing valve
- **D)** Safety valve and subs to fit all string connections in use

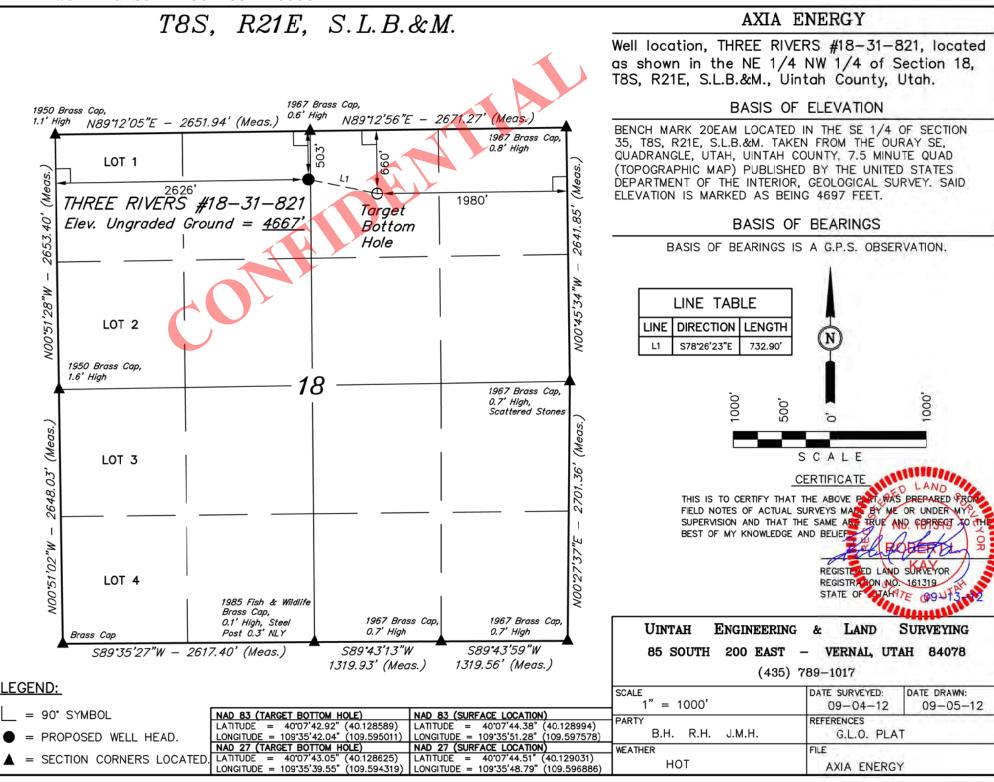
COMPA

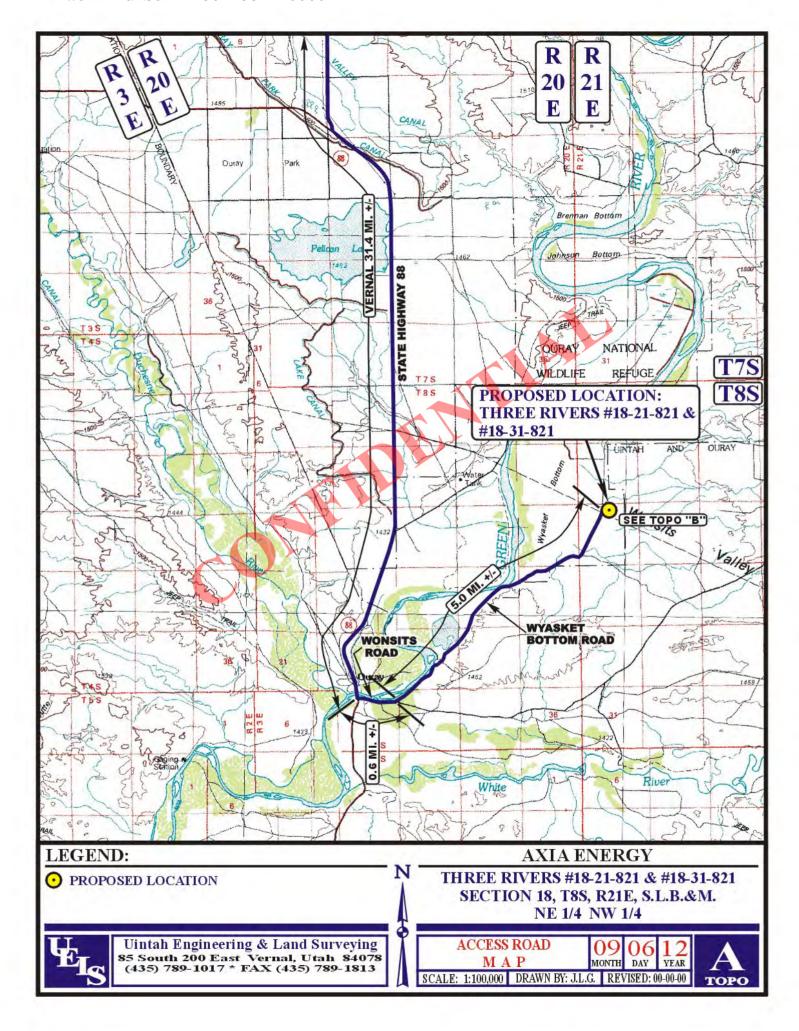
#### 8. SURVEY & LOGGING PROGRAMS

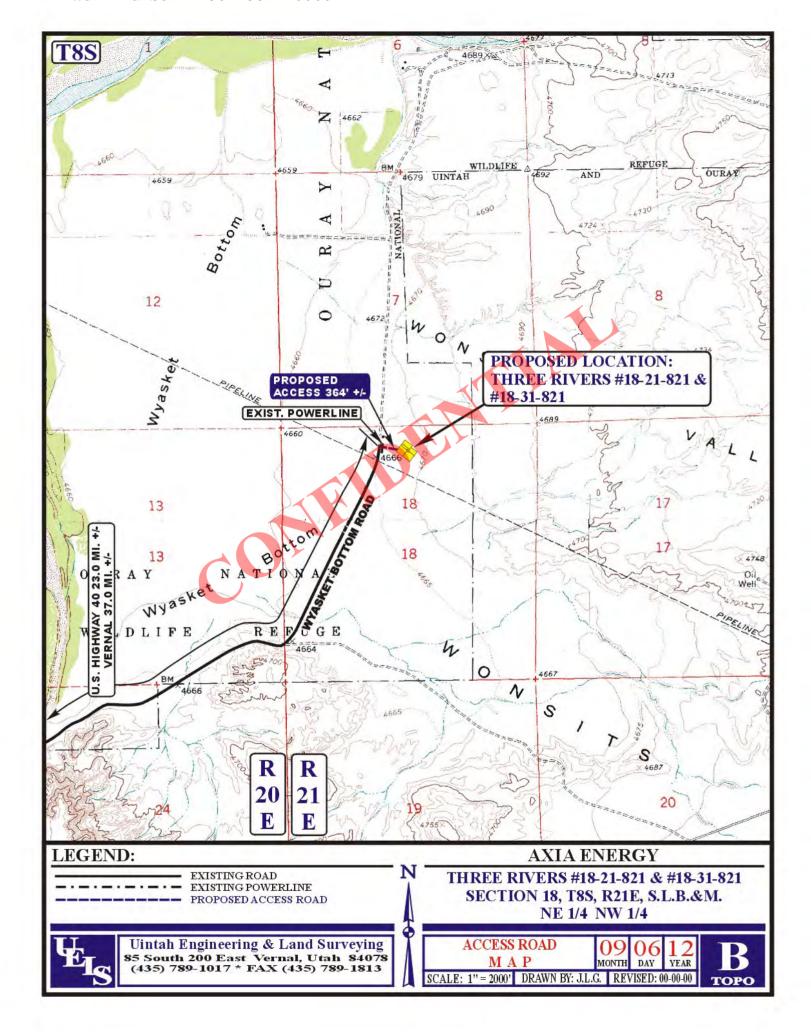
- A) Cores: None anticipated.
- B) Testing: None anticipated.
- c) Directional Drilling: Directional tools will be used to locate the bottom hole per the attached directional plan +/-.
- D) Open Hole Logs: TD to surface casing: resistivity, neutron density, gamma ray and caliper.
- E) Mud Logs: Computerized 2-person logging unit will catch and describe 10 foot samples from top of Green River Formation to TD; record and monitor gas shows and record drill times (normal mud logging duties).

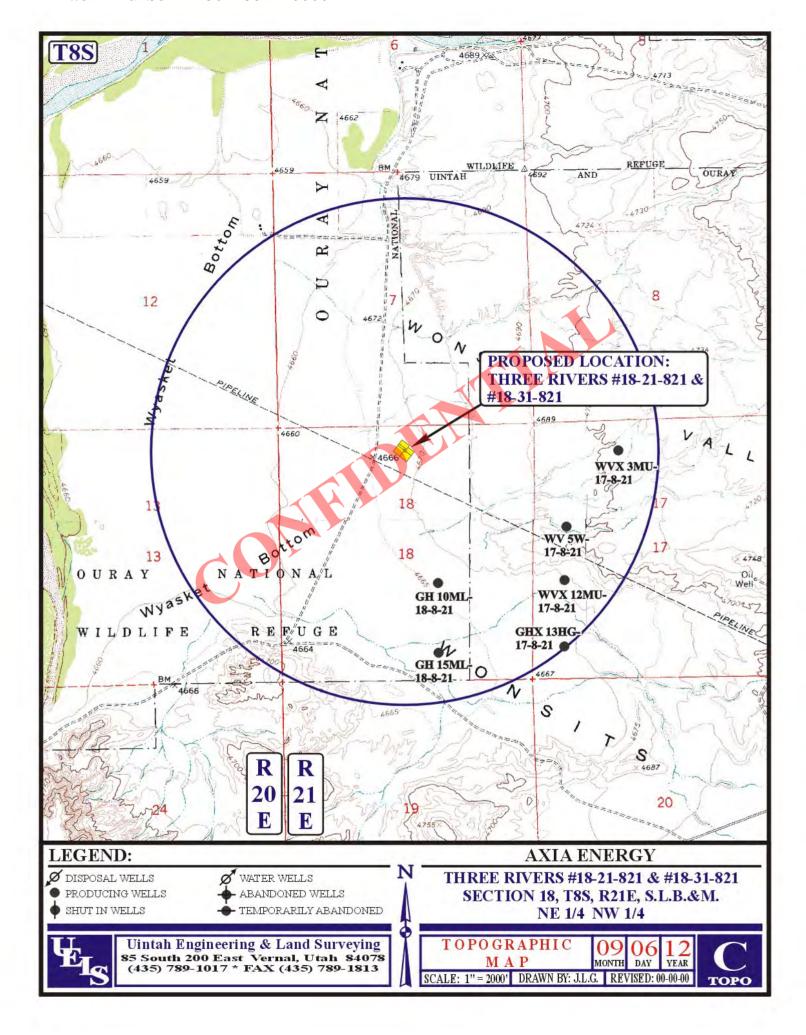
## 9. HAZARDOUS MATERIALS

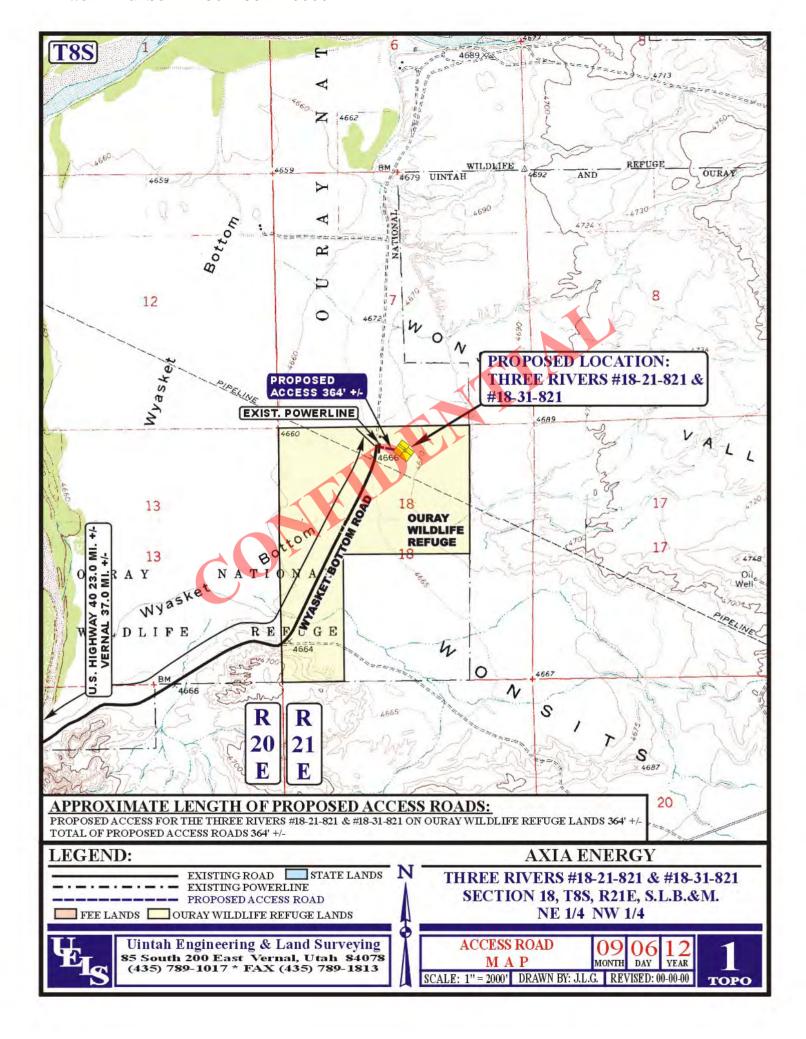
In accordance with Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III, no chemicals subject to reporting in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well.

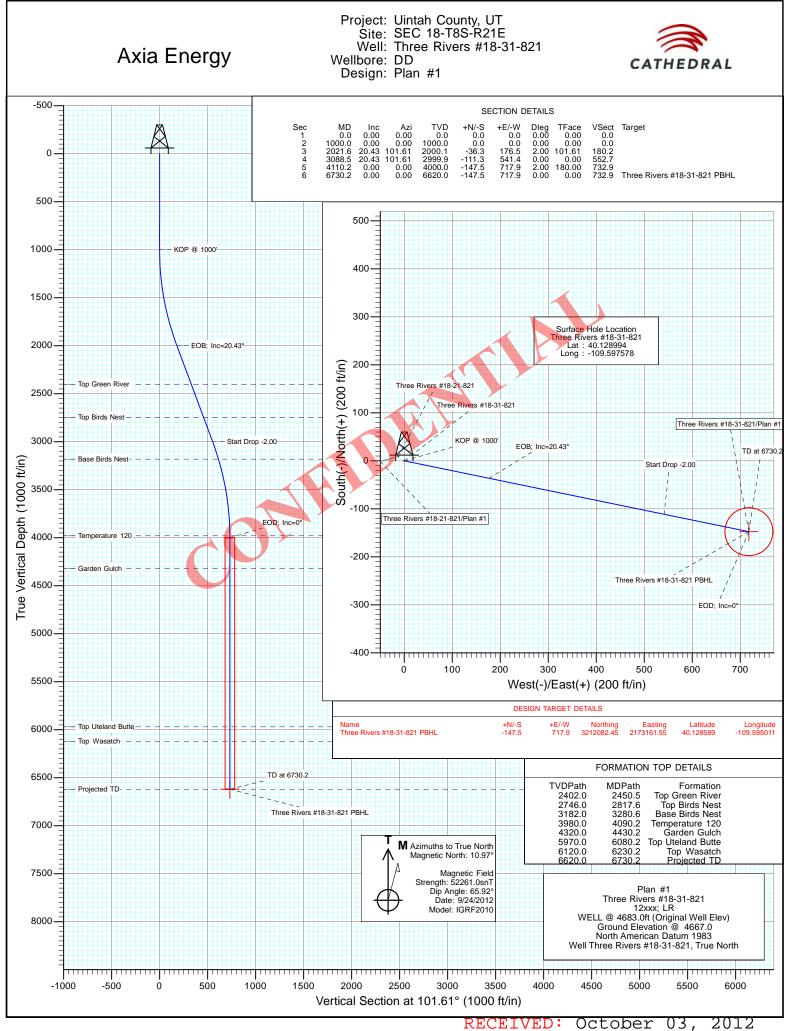












Database: USA EDM 5000 Multi Users DB

Company: Axia Energy
Project: Uintah County, UT
Site: SEC 18-T8S-R21E
Well: Three Rivers #18-31-821

Wellbore: DD Plan #1

Well

**Position Uncertainty** 

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Three Rivers #18-31-821

WELL @ 4683.0ft (Original Well Elev) WELL @ 4683.0ft (Original Well Elev)

True

Minimum Curvature

Project Uintah County, UT

Map System:US State Plane 1983Geo Datum:North American Datum 1983Map Zone:Utah Northern Zone

System Datum:

Mean Sea Level

Site SEC 18-T8S-R21E

Site Position:Northing:3,212,223.09 ftLatitude:From:Lat/LongEasting:2,172,428.05 ftLongitude:Position Uncertainty:0.0 ftSlot Radius:13.200 inGrid Convergence:

 Well Position
 +N/-S
 0.0 ft
 Northing:

 +E/-W
 0.0 ft
 Easting:

IGRF2010

0.0 ft

Three Rivers #18-31-821

Easting:
Wellhead Elevation:

9/24/2012

Latitude: Longitude: Ground Level:

65.92

40.128994 -109.597578

52,261

4,667.0 ft

40.129019

-109.597622

1.25 °

Wellbore DD

Magnetics Model Name Sample Date Declination Dip Angle Field Strength
(°) (°) (nT)

3,212,214.24 ft

2,172,440.56 ft

10.97

Design Plan #1 **Audit Notes:** 0.0 Version: Phase: **PLAN** Tie On Depth: Vertical Section: +N/-S Direction Depth From (TVD) +E/-W (ft) (ft) (ft) (°) 0.0 0.0 0.0 101.61

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,021.6	20.43	101.61	2,000.1	-36.3	176.5	2.00	2.00	0.00	101.61	
3,088.5	20.43	101.61	2,999.9	-111.3	541.4	0.00	0.00	0.00	0.00	
4,110.2	0.00	0.00	4,000.0	-147.5	717.9	2.00	-2.00	0.00	180.00	
6,730.2	0.00	0.00	6,620.0	-147.5	717.9	0.00	0.00	0.00	0.00	Three Rivers #18-31-

Database: USA EDM 5000 Multi Users DB

Company: Axia Energy
Project: Uintah County, UT
Site: SEC 18-T8S-R21E
Well: Three Rivers #18-31-821

Wellbore: DD Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Three Rivers #18-31-821 WELL @ 4683.0ft (Original Well Elev)

WELL @ 4683.0ft (Original Well Elev)

True

Minimum Curvature

Planned Surve	у								
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00		KOP @ 1000'
1,100.0	2.00	101.61	1,100.0	-0.4	1.7	1.7	2.00	2.00	
1,200.0	4.00	101.61	1,199.8	-1.4	6.8	7.0	2.00	2.00	
1,300.0	6.00	101.61	1,299.5	-3.2	15.4	15.7	2.00	2.00	
1,400.0	8.00	101.61	1,398.7	-5.6	27.3	27.9	2.00	2.00	
1,500.0	10.00	101.61	1,497.5	-8.8	42.6	43.5	2.00	2.00	
1,600.0	12.00	101.61	1,595.6	-12.6	61.3	62.6	2.00	2.00	
1,700.0	14.00	101.61	1,693.1	-17.1	83.4	85.1	2.00	2.00	
1,800.0	16.00	101.61	1,789.6	-22.3	108.7	111.0	2.00	2.00	
1,900.0	18.00	101.61	1,885.3	-28.2	137.3	140.2	2.00	2.00	
2,000.0	20.00	101.61	1,979.8	-34.8	169.2	172.8	2.00	2.00	
2,021.6	20.43	101.61		-36.3	176.5	180.2	2.00		EOB; Inc=20.43°
2,100.0	20.43	101.61	2,073.6	-41.8	203.4	207.6	0.00	0.00	202, 20.10
2,200.0	20.43	101.61	2,167.3	-48.8	237.5	242.5	0.00	0.00	
2,300.0	20.43	101.61	2,261.0	-55.8	271.7	277.4	0.00	0.00	
2,400.0	20.43	101.61	2,354.7	-62.9	305.9	312.3	0.00	0.00	
2,450.5	20.43	101.61	2,402.0	-66.4	323.2	330.0	0.00		Top Green River
2,500.0	20.43	101.61	2,448.4	-69.9	340.1	347.2	0.00	0.00	TOP CICCITATIVE
2,600.0	20.43	101.61	2,542.1	-76.9	374.3	382.2	0.00	0.00	
2,700.0	20.43	101.61	2,635.8	-84.0	408.5	417.1	0.00	0.00	
2,800.0	20.43	101.61	2,729.5	-91.0	442.7	452.0	0.00	0.00	
2,800.0	20.43	101.61	2,729.5	-91.0 -92.2	442.7 448.7	452.0 458.1	0.00		Top Birds Nest
2,900.0	20.43	101.61	2,746.0	-92.2 -98.0	476.7 476.9	486.9	0.00	0.00	וטף טוועס ואפטנ
3,000.0	20.43	101.61	2,823.2	-96.0 -105.0	511.1	521.8	0.00	0.00	
3,088.5	20.43	101.61	2,916.9	-105.0	541.4	552.7	0.00		Start Drop -2.00
									Start Drop -2.00
3,100.0	20.20	101.61	3,010.6	-112.1	545.3	556.7	2.00	-2.00	
3,200.0	18.20	101.61	3,105.1	-118.7	577.5	589.6	2.00	-2.00	David Block Mark
3,280.6	16.59	101.61	3,182.0	-123.5	601.1	613.7	2.00		Base Birds Nest
3,300.0	16.20	101.61	3,200.6	-124.6	606.5	619.1	2.00	-2.00	
3,400.0	14.20	101.61	3,297.1	-129.9	632.2	645.4	2.00	-2.00	
3,500.0	12.20	101.61	3,394.4	-134.5	654.5	668.2	2.00	-2.00	
3,600.0	10.20	101.61	3,492.5	-138.4	673.6	687.6	2.00	-2.00	
3,700.0	8.20	101.61	3,591.2	-141.6	689.2	703.6	2.00	-2.00	
3,800.0	6.20	101.61	3,690.4	-144.2	701.5	716.2	2.00	-2.00	
3,900.0	4.20	101.61	3,790.0	-146.0	710.4	725.2	2.00	-2.00	
4,000.0	2.20	101.61	3,889.9	-147.1	715.9	730.8	2.00	-2.00	
4,090.2	0.40	101.61	3,980.0	-147.5	717.9	732.9	2.00		Temperature 120
4,100.0	0.20	101.61	3,989.8	-147.5	717.9	732.9	2.00	-2.00	•
4,110.2	0.00	0.00	4,000.0	-147.5	717.9	732.9	2.00	-2.00	EOD; Inc=0°
4,200.0	0.00	0.00	4,089.8	-147.5	717.9	732.9	0.00	0.00	
4,300.0	0.00	0.00	4,189.8	-147.5	717.9	732.9	0.00	0.00	
4,400.0	0.00	0.00	4,289.8	-147.5	717.9	732.9	0.00	0.00	
., 100.0	0.00	0.00	.,_55.5			702.0	3.00	0.00	

Database: USA EDM 5000 Multi Users DB

Company: Axia Energy Project: Uintah County, UT SEC 18-T8S-R21E Site: Three Rivers #18-31-821

Well:

Wellbore: Plan #1 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Three Rivers #18-31-821 WELL @ 4683.0ft (Original Well Elev)

WELL @ 4683.0ft (Original Well Elev)

Minimum Curvature

Planned Surve	у								
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,430.2	0.00	0.00	4,320.0	-147.5	717.9	732.9	0.00	0.00	Garden Gulch
4,500.0	0.00	0.00	4,389.8	-147.5	717.9	732.9	0.00	0.00	
4,600.0	0.00	0.00	4,489.8	-147.5	717.9	732.9	0.00	0.00	
4,700.0	0.00	0.00	4,589.8	-147.5	717.9	732.9	0.00	0.00	
4,800.0	0.00	0.00	4,689.8	-147.5	717.9	732.9	0.00	0.00	
4,900.0	0.00	0.00	4,789.8	-147.5	717.9	732.9	0.00	0.00	
5,000.0	0.00	0.00	4,889.8	-147.5	717.9	732.9	0.00	0.00	
5,100.0	0.00	0.00	4,989.8	-147.5	717.9	732.9	0.00	0.00	
5,200.0	0.00	0.00	5,089.8	-147.5	717.9	732.9	0.00	0.00	
5,300.0	0.00	0.00	5,189.8	-147.5	717.9	732.9	0.00	0.00	
5,400.0	0.00	0.00	5,289.8	-147.5	717.9	732.9	0.00	0.00	
5,500.0	0.00	0.00	5,389.8	-147.5	717.9	732.9	0.00	0.00	
5,600.0	0.00	0.00	5,489.8	-147.5	717.9	732.9	0.00	0.00	
5,700.0	0.00	0.00	5,589.8	-147.5	717.9	732.9	0.00	0.00	
5,800.0	0.00	0.00	5,689.8	-147.5	717.9	732.9	0.00	0.00	
5,900.0	0.00	0.00	5,789.8	-147.5	717.9	732.9	0.00	0.00	
6,000.0	0.00	0.00	5,889.8	-147.5	717.9	732.9	0.00	0.00	
6,080.2	0.00	0.00	5,970.0	-147.5	717.9	732.9	0.00	0.00	Top Uteland Butte
6,100.0	0.00	0.00	5,989.8	-147.5	717.9	732.9	0.00	0.00	
6,200.0	0.00	0.00	6,089.8	-147.5	717.9	732.9	0.00	0.00	
6,230.2	0.00	0.00	6,120.0	147.5	717.9	732.9	0.00	0.00	Top Wasatch
6,300.0	0.00	0.00	6,189.8	-147.5	717.9	732.9	0.00	0.00	
6,400.0	0.00	0.00	6,289.8	-147.5	717.9	732.9	0.00	0.00	
6,500.0	0.00	0.00	6,389.8	-147.5	717.9	732.9	0.00	0.00	
6,600.0	0.00	0.00	6,489.8	-147.5	717.9	732.9	0.00	0.00	
6,700.0	0.00	0.00	6,589.8	-147.5	717.9	732.9	0.00	0.00	
6,730.2	0.00	0.00	6,620.0	-147.5	717.9	732.9	0.00	0.00	TD at 6730.2 - Projected TD - Three Rivers

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Three Rivers #18-31-82 <sup>-</sup> - plan hits target cen - Circle (radius 50.0)		0.00	6,620.0	-147.5	717.9	3,212,082.45	2,173,161.55	40.128589	-109.595011

Database: USA EDM 5000 Multi Users DB

Company: Axia Energy
Project: Uintah County, UT
Site: SEC 18-T8S-R21E
Well: Three Rivers #18-31-821

Wellbore: DD Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Three Rivers #18-31-821

WELL @ 4683.0ft (Original Well Elev) WELL @ 4683.0ft (Original Well Elev)

True

Minimum Curvature

Formations				
	Measured Depth (ft)	Vertical Depth (ft)	Name	Dip Dip Direction Lithology (°) (°)
	2,450.5	2,402.0	Top Green River	
	2,817.6	2,746.0	Top Birds Nest	
	3,280.6	3,182.0	Base Birds Nest	
	4,090.2	3,980.0	Temperature 120	
	4,430.2	4,320.0	Garden Gulch	
	6,080.2	5,970.0	Top Uteland Butte	
	6,230.2	6,120.0	Top Wasatch	
	6,730.2	6,620.0	Projected TD	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coord +N/-S (ft)	dinates +E/-W (ft)	Comment	
1,000.0 2,021.6 3,088.5 4,110.2 6,730.2	1,000.0 2,000.1 2,999.9 4,000.0 6,620.0	0.0 -36.3 -111.3 -147.5 -147.5	0.0 176.5 541.4 717.9 717.9	Start Drop -2.00 EOD; Inc=0°	

# **Axia Energy**

Uintah County, UT SEC 18-T8S-R21E Three Rivers #18-31-821 DD Plan #1

**Anticollision Report** 

24 September, 2012

#### Anticollision Report

Company:Axia EnergyProject:Uintah County, UTReference Site:SEC 18-T8S-R21E

Site Error: 0.0ft

Reference Well: Three Rivers #18-31-821

Well Error: 0.0ft
Reference Wellbore DD
Reference Design: Plan #1

Local Co-ordinate Reference: TVD Reference: MD Reference: Well Three Rivers #18-31-821 WELL @ 4683.0ft (Original Well Elev) WELL @ 4683.0ft (Original Well Elev)

North Reference: True

Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma

Database: 2.00 sigma
USA EDM 5000 Multi Users DB

Offset TVD Reference: Offset Datum

Reference Plan #1

Filter type: GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference

Interpolation Method: MD Interval 100.0ft Error Model: ISCWSA

 Depth Range:
 Unlimited
 Scan Method:
 Closest Approach 3D

 Results Limited by:
 Maximum center-center distance of 873.0ft
 Error Surface:
 Elliptical Conic

 Warning Levels Evaluated at:
 2.00 Sigma

 Survey Tool Program
 Date
 9/24/2012

 From (ft)
 To (ft)
 Survey (Wellbore)
 Tool Name
 Description

 0.0
 6,730.2 Plan #1 (DD)
 MWD
 Geolink MWD

Summary							
	Reference Offset Distance						
Cita Nama		Measured	Measured	Between	Between	Separation	Warning
Site Name Offset Well - Wellbore - Design		Depth (ft)	Depth (ft)	Centres (ft)	Ellipses (ft)	Factor	
SEC 18-T8S-R21E							
Three Rivers #18-21-821 - DD - Plan #1		1,000.0	1,000.0	15.3	11.9	4.458	CC, ES, SF

#### Anticollision Report

Company:Axia EnergyProject:Uintah County, UTReference Site:SEC 18-T8S-R21E

Site Error: 0.0f

Reference Well: Three Rivers #18-31-821

Well Error: 0.0ft
Reference Wellbore DD
Reference Design: Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Well Three Rivers #18-31-821 WELL @ 4683.0ft (Original Well Elev) WELL @ 4683.0ft (Original Well Elev)

True

Survey Calculation Method: Minimum Curvature

Output errors are at 2.00 sigma

Database: USA EDM 5000 Multi Users DB

Offset TVD Reference: Offset Datum

Offset De	sign	SEC 18	-T8S-R21	E - Three F	Rivers #18	-21-821 - D	D - Plan #1						Offset Site Error:	0.0
urvey Prog	ram: 0-M	WD											Offset Well Error:	0.0
Refer	ence	Offse	et	Semi Major	Axis				Dist	ance				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbor	e Centre +E/-W	Between Centres	Between Ellipses	Total Uncertainty	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-53.48	9.1	-12.3	15.3					
100.0	100.0	100.0	100.0	0.1	0.1	-53.48	9.1	-12.3	15.3	15.0	0.29	52.223		
200.0	200.0	200.0	200.0	0.3	0.3	-53.48	9.1	-12.3	15.3	14.7	0.64	23.841		
300.0	300.0	300.0	300.0	0.5	0.5	-53.48	9.1	-12.3	15.3	14.3	0.99	15.446		
400.0	400.0	400.0	400.0	0.7	0.7	-53.48	9.1	-12.3	15.3	14.0	1.34	11.424		
500.0	500.0	500.0	500.0	0.8	0.8	-53.48	9.1	-12.3	15.3	13.6	1.69	9.064		
600.0	600.0	600.0	600.0	1.0	1.0	-53.48	9.1	-12.3	15.3	13.3	2.04	7.512		
700.0	700.0	700.0	700.0	1.2	1.2	-53.48	9.1	-12.3	15.3	12.9	2.39	6.413		
800.0	800.0	800.0	800.0	1.4	1.4	-53.48	9.1	-12.3	15.3	12.6	2.74	5.595		
900.0	900.0	900.0	900.0	1.5	1.5	-53.48	9.1	-12.3	15.3	12.2	3.09	4.962		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	-53.48	9.1	-12.3	15.3	11.9	3.43	4.458 C	C, ES, SF	
1,100.0	1,100.0	1,099.6	1,099.5	1.9	1.9	-161.72	8.7	-14.0	18.1	14.3	3.78	4.783		
1,200.0	1,199.8	1,198.4	1,198.3	2.1	2.1	-172.92	7.3	-18.9	27.2	23.1	4.13	6.601		
1,300.0	1,299.5	1,296.0	1,295.4	2.3	2.3	179.35	5.1	-27.0	43.4	38.9	4.46	9.717		
1,400.0	1,398.7	1,391.5	1,390.3	2.5	2.5	174.91	2.0	-38.1	66.3	61.6	4.80	13.834		
1,500.0	1,497.5	1,484.6	1,482.2	2.7	2.7	172.32	-1.7	-51.7	95.8	90.7	5.12	18.714		
1,600.0	1,595.6	1,574.5	1,570.7	3.0	3.0	170.69	-6.1	-67.7	131.5	126.1	5.44	24.185		
1,700.0	1,693.1	1,661.0	1,655.2	3.4	3.3	169.59	-11.0	-85.5	173.2	167.4	5.75	30.121		
1,800.0	1,789.6	1,743.7	1,735.4	3.8	3.6	168.79	-16.3	-104.9	220.4	214.4	6.05	36.423		
1,900.0	1,885.3	1,822.3	1,811.0	4.3	3.9	168.16	-22.0	-125.3	273.0	266.7	6.35	43.015		
2,000.0	1,979.8	1,901.7	1,887.0	4.9	4.3	167.64	-28.1	-147.6	330.2	323.5	6.64	49.698		
2,100.0	2,073.6	1,982.2	1,9 <mark>64</mark> .1	5.4	4.7	167.49	-34.3	-170.3	389.4	382.4	6.98	55.772		
2,200.0	2,167.3	2,062.8	2,041.1	6.0	5.1	167.44	-40.6	-193.0	448.7	441.4	7.33	61.176		
2,300.0	2,261.0	2,143.3	2,118.1	6.7	5.5	167.39	-46.8	-215.7	508.0	500.3	7.69	66.061		
2,400.0	2,354.7	2,223.8	2,195.1	7.3	5.9	167.36	-53.1	-238.3	567.3	559.2	8.05	70.493		
2,500.0	2,448.4	2,304.3	2,272.1	7.9	6.3	167.33	-59.3	-261.0	626.6	618.2	8.41	74.528		
2,600.0	2,542.1	2,384.9	2,349.1	8.5	6.7	167.31	-65.5	-283.7	685.9	677.1	8.77	78.214		
2,700.0	2,635.8	2,465.4	2,426.1	9.2	7.2	167.29	-71.8	-306.4	745.2	736.0	9.13	81.592		
2,800.0	2,729.5	2,545.9	2,503.1	9.8	7.6	167.28	-78.0	-329.1	804.5	795.0	9.50	84.699		
2,900.0	2,823.2	2,626.4	2,580.1	10.5	8.0	167.26	-84.3	-351.8	863.8	853.9	9.86	87.564		

#### Anticollision Report

Company: Axia Energy Project: Uintah County, UT Reference Site: SEC 18-T8S-R21E

Site Error:

Reference Well: Three Rivers #18-31-821

Well Error: 0.0ft Reference Wellbore DD Reference Design: Plan #1 Local Co-ordinate Reference: TVD Reference:

MD Reference: North Reference:

WELL @ 4683.0ft (Original Well Elev) WELL @ 4683.0ft (Original Well Elev)

Well Three Rivers #18-31-821

**Survey Calculation Method:** Minimum Curvature Output errors are at

2.00 sigma

USA EDM 5000 Multi Users DB Database:

Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 4683.0ft (Original Well Elev)

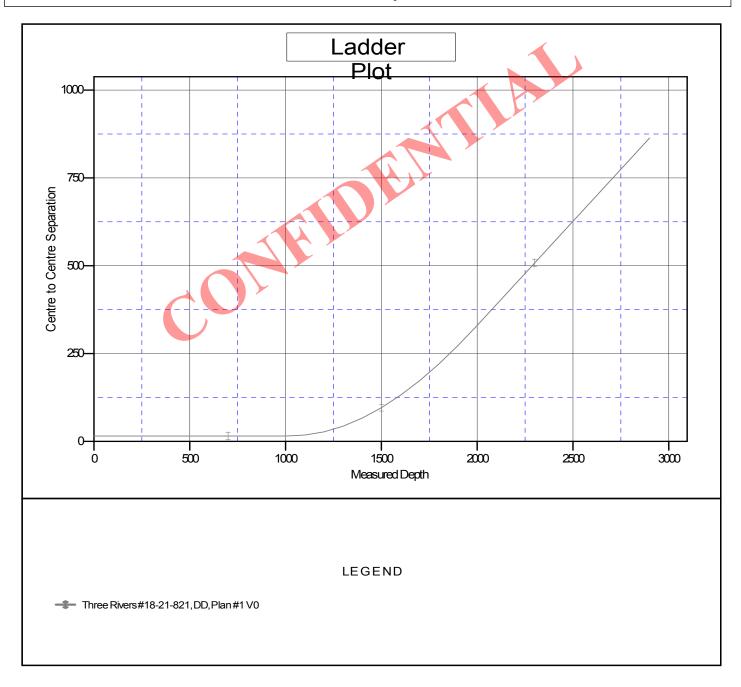
Offset Depths are relative to Offset Datum

Central Meridian is -111.500000°

Coordinates are relative to: Three Rivers #18-31-821

Coordinate System is US State Plane 1983, Utah Northern Zone

Grid Convergence at Surface is: 1.25°



## MEMORANDUM OF UNDERSTANDING

**AMONG** 

STONEGATE RESOURCES, LLC

AND

THE U.S. DEPARTMENT OF INTERIOR, FISH AND WILDLIFE SERVICE

**FOR** 

SURFACE USE AND ACCESS

REGARDING CERTAIN MINERALS OWNED IN FEE SIMPLE AND LOCATED WITHIN THE OURAY NATIONAL WILDLIFE REFUGE

## I. <u>INTRODUCTION AND PURPOSE</u>

Pursuant to (i) that certain Assignment of Mineral, Royalty and Overriding Royalty Interests (Utah Properties), dated effective July 1, 2002 ("Assignment"), and recorded August 19, 2003, in Book 807, Page 68, Uintah County, Utah, Stonegate Resources, LLC ("Stonegate") acquired ownership of all or a portion of the minerals underlying Lots 10, 12 and 13 of Section 1 and the N½NW¼ of Section 12, Township 8 South, Range 20 East, SLM; and Lot 11 of Section 6, Lot 2, SE1/4NW1/4, NE1/4NW1/4, NE1/4SW1/4, SW1/4SE1/4 of Section 7, and E1/2NW1/4, W1/2NE1/4 of Section 18, Township 8 South, Range 21 East, SLM and (ii) those certain purchase and sale transactions set forth on Exhibit "A" hereto, said Exhibit "A" being incorporated herein by reference, Stonegate acquired ownership in additional portions of the minerals underlying those lands the subject of the Assignment and/or other lands (the latter mineral interests being collectively referred to hereinafter along with the mineral interests the subject of the Assignment as the "Assignment Lands"). Further, Stonegate is the lessee under those certain fee oil and gas leases identified on Exhibit "A" hereto, said lands and mineral interests identified thereon being referred to hereinafter as the "Leased Lands." The surface estate overlying the Assignment Lands and the Leased Lands (collectively referred to hereinafter as the "Subject Lands") is owned by the United States, with such surface estate being managed by the United States Fish and Wildlife Service ("FWS") as part of the Ouray National Wildlife Refuge ("Refuge"). The minerals of the Subject Lands were severed from the surface thereof prior to or upon acquisition of the Subject Lands by the United States and prior to or upon their dedication to the Refuge.

Stonegate, as the mineral owner and/or oil and gas lessee of the Subject Lands, possesses surface use rights thereto "to the extent reasonably necessary to extract the minerals therefrom." Flying Diamond Corporation v. Rust, 551 P.2d 509, 511 (Utah 1976). Stonegate may, if it so chooses, define it rights to surface access by contract. See Smith v. Linmar Energy Corp., 790 P.2d 1222, 1225 (Utah App. 1990).

Persons such as Stonegate "holding mineral rights in wildlife refuge lands by reservation in the conveyance to the United States and persons [such as Stonegate] holding mineral rights in such lands which rights vested prior to the acquisition of the lands by the United States . . . to the greatest extent practicable [are to] conduct all exploration, development, and production operations in such a manner as to prevent damage, erosion, pollution, or contamination of the lands, waters, facilities and vegetation of the area . . . [and] without interference with the operation of the refuge or disturbance of the wildlife thereon." 50 C.F.R. § 29.32. Nothing contained in such requirement is, however, "to contravene or nullify rights vested in holders of mineral interests in refuge lands." *Id.* Instead, the FWS is to provide for the "exercise of nonfederal oil and gas rights while protecting the [FWS] resources to the maximum extent

possible." 612 FWS Manual 2.4.B. It is under the provisions of applicable Utah law, 50 C.F.R. § 29.32, and 612 FWS Manual 2.4.B, that the FWS and Stonegate enter into this Memorandum of Understanding ("MOU") regarding surface use and access for the Subject Lands.

As is more fully explained below, this MOU: (i) sets forth recognition by the FWS of Stonegate's surface use rights for and access rights pertaining to the Subject Lands and applicable FWS regulations; (ii) commits Stonegate to comply with those surface use requirements and conditions described herein; (iii) identifies those parcels of the Subject Lands for which Stonegate must acquire a Special Use Permit from the FWS prior to commencing surface disturbing activities (the "SUP Lands"); and (iv) with the exception of the SUP Lands, permits Stonegate to explore, develop, and produce the Assignment Lands and to perform its oil and gas lease duties and obligations relating to the Leased Lands without the need to acquire rights-of-way or special use permits. This MOU is entered into in consideration of the mutual promises contained herein, and upon the terms and conditions described below.

# II. COMPATIBILITY DETERMINATION, SPECIAL USE PERMITS AND HISTORIC AND CULTURAL SURVEYS

- A. <u>Compatibility Determination</u>. The FWS and Stonegate agree that the FWS <u>shall</u> <u>not</u> undertake a compatibility determination pursuant to 50 C.F.R. § 29.1 or 603 FWS Manual 2 for Stonegate's activities on the Subject Lands. Stonegate's surface use rights on the Subject Lands and access thereto are exempt from such a determination; the Subject Lands being "property rights that are not vested in the Federal Government, such as reserved rights to explore and develop minerals or oil and gas beneath [the Refuge]." 603 FWS Manual 2.10.B(1) ("Where reserved rights or legal mandates provide that [FWS] must allow certain activities, we should not prepare a compatibility determination. In the case of reserved rights, the refuge manager should work with the owner of the property interest to develop stipulations in a special use permit or other agreement to alleviate or minimize adverse impacts to the refuge.").
- B. <u>Special Use Permit</u>. Excepting the SUP Lands described in Article III.D of this MOU, the FWS and Stonegate agree that it is unnecessary for Stonegate to acquire a special use permit relative to the Subject Lands. Such a requirement is inapplicable to Stonegate's activities on the Subject Lands. See FWS Manual 2.9.B(1).
- C. <u>Historic and Cultural Surveys</u>. Stonegate agrees to undertake such studies and/or surveys and to implement such actions as may prove necessary to ensure full and complete compliance with the provisions of the National Historic Preservation Act, 16 U.S.C. §§ 470aa-470mm ("NHPRA"), and other applicable Acts prior to the initiation of surface disturbing activities on the Subject Lands.

# III. SURFACE USE AND ACCESS RIGHTS OF STONEGATE

- A. <u>Surface Usage</u>. The FWS agrees that Stonegate shall exercise exclusive surface use rights in accordance with the provisions of this MOU on (i) the Assignment Lands indefinitely and (ii) the Leased Lands for so long as Stonegate or its subsequent assignees remain the lessee(s) of the Leased Lands. Stonegate agrees that it shall exercise such rights: (i) only to the extent reasonable; (ii) without damage to the improvements of the FWS located on the Subject Lands; and (iii) in accordance with those Standard Operating Procedures set forth in Exhibit "B" hereto, said Exhibit "B" being incorporated herein by reference.
- B. Egress and Ingress for Subject Lands. The FWS agrees that Stonegate shall be permitted non-exclusive egress and ingress along and within established routes, roadways, and roads relating to exploration, production, and development of (i) the Assignment Lands indefinitely and (ii) the Leased Lands for so long as Stonegate or its subsequent assignees remain the lessee(s) of the Leased Lands. Stonegate agrees not to construct facilities or make use of lands of the Refuge in connection with its exploration, development, and production of the Subject Lands other than on the surface of the Subject Lands and along or within such established routes, roadways, and roads of the Refuge without the prior written permission of the FWS.
- C. <u>Notification and Coordination of Activities</u>. Stonegate agrees to notify the FWS in writing not later than thirty (30) days prior to commencing any ground disturbing activities on the Subject Lands or along or within established routes, roadways, and/or roads of the Refuge. To the extent in conformance with and not in contravention of Stonegate's surface use on and/or ingress and egress rights relative to the Subject Lands, Stonegate further agrees to cooperate with the FWS in an effort "minimize disturbance and damage" to the Refuge and to coordinate oil and gas exploration, development, and/or production activities with stated plans of the FWS relating to wildlife management within the Refuge and protection of Refuge resources. 612 FWS Manual 2.6.D.
- D. <u>SUP Lands</u>. Prior to entry upon the lands particularly described below for the purpose of exploration for, or development and production of, oil and/or gas, Stonegate shall apply for and obtain a Special Use Permit ("Permit") from the FWS. The Permit will be for the purpose of providing for access and for protecting the natural resources of the Refuge; provided that the terms and conditions of the Permit shall not unreasonably restrain the activities of Stonegate relating to the exploration for, or development and production of, oil and/or gas. The SUP Lands comprise 95.62 acres consisting of:
  - i. Section 12, Township 8 South, Range 20 East, SLM: beginning 192 Rods West of Southeast Corner of Northeast Quarter, thence West 128 Rods; thence North 80 Rods; thence East 128 Rods; thence South 80 Rods to the point of beginning; and

ii. Section 18, Township 8 South, Range 20 East, SLM: beginning 16 Rods South of the Northwest Corner of Lot 4, thence South 64 Rods; thence East 80 Rods to East Line of Lot 4; thence North 64 Rods; thence West 80 Rods to the point of beginning.

The aforementioned conditions for the SUP Lands and legal descriptions thereof were agreed to and are as set forth in that certain Deed from William S. Keeler and David H. Jamieson to the United States of America dated May 18, 1990, recorded on May 29, 1990, in Book 486, Pages 652-656 of Uintah County, Utah (the "Deed").

- (1) Compliance with Environmental Requirements. In conjunction with issuance of a Permit for all or any portion of the SUP Lands, Stonegate agrees to and shall undertake such studies, surveys, and/or activities as may be required by the NHPA, the National Environmental Policy Act, 42 U.S.C. §§ 4321-4370f, and/or other applicable Acts.
- (2) Form of Permit. In the event Stonegate shall be issued a Permit for all or any portion of the SUP Lands, the Permit to be employed by Stonegate and the FWS shall be on that form attached hereto as Exhibit "C", said Exhibit "C" being incorporated herein by reference. In addition, the Permit shall contain the Standard Operating Procedures set forth on Exhibit "B" hereto and may contain such stipulations as are appropriate to ensure that "to the greatest extent practicable [Stonegate will] conduct all exploration, development, and production operations [on the SUP Lands] in such a manner as to prevent damage, erosion, pollution, or contamination of the lands, waters, facilities and vegetation of the [Refuge and] without interference with the operation of the [R]efuge or disturbance of the wildlife thereon." 50 C.F.R. § 29.32.

#### IV. SURFACE USE STANDARDS AND TERM

- A. <u>Applicable Regulations</u>. The FWS and Stonegate agree that with respect to Stonegate's use of the Subject Lands and its rights of egress and ingress relating thereto, Stonegate shall comply with all surface use restrictions, bonding requirements, and reclamation obligations imposed upon Stonegate by way of the regulations of the Utah Division of Oil, Gas and Mining, including any and all successor regulations, rules, and guidelines thereto.
- B. Term of MOU. This MOU shall be effective upon execution hereof by the last party to sign and shall remain effective and binding on the parties (i) excepting the SUP Lands, indefinitely as to the Assignment Lands; (ii) as to the SUP Lands, unless and until the minerals of such Lands shall vest in the United States of America in accordance with the terms and conditions of the Deed; and (iii) as to the Leased Lands for so long as Stonegate or its subsequent assignees remain the lessee(s) under the oil and gas leases applicable to the Leased Lands. In the event the oil and gas leases to all or any part of the

Leased Lands shall terminate or expire, Stonegate agrees to provide written notice to that effect to the FWS not later than thirty (30) days after such termination or expiration.

## V. <u>MISCELLANEOUS</u>

- A. <u>Entire Agreement and Counterparts</u>. This MOU constitutes the entire agreement and understanding between the parties and supersedes any and all prior agreements, understandings, and negotiations, written or oral, relating to the subject matter hereof. This MOU may be executed in any number of counterparts, each of which shall be considered as an original for all purposes.
- B. <u>Inurement and Assignment</u>. This MOU shall inure to the benefit of and be binding on the parties hereto and their respective successors, lessees, and assigns. This MOU shall be freely and fully assignable by the parties; *provided that* any such assignment shall be strictly and solely limited to rights relating to the exploration, development, and/or production of the Subject Lands; and *provided further that* any assignee of this MOU shall in conjunction with assignment of the same agree to be fully and finally bound by the rights, duties, and obligations set forth and recognized herein.
- C. <u>Severability</u>. If any portion of this MOU is deemed unenforceable for any reason, the rest of the MOU shall remain in full force and effect, if practicable.
- D. <u>Headings</u>. All headings used in this MOU are inserted only for convenience and ease of reference, and are not to be considered in the construction or interpretation of any provisions of this MOU.
- E. <u>Amendment of MOU</u>. No provision of this MOU may be changed, modified, waived or discharged orally, unless approved by the parties in writing, and no change, modification, waiver or amendment of any provision of this MOU shall be effective except by written instrument executed by the parties.
- F. Events Requiring Modification or Interpretation of MOU. Stonegate and the FWS agree that if either party encounters or becomes aware of events, facts or situations that were unforeseen or unanticipated on the effective date of this MOU ("an "Unforeseen Event"), an Unforeseen Event to specifically include but not being limited to drilling activity within FWS inventoried floodplains and/or wetlands then under federal jurisdiction, the party with knowledge thereof shall promptly notify the other party in writing of the Unforeseen Event. Thereafter, the parties shall enter into discussions concerning the Unforeseen Event in an effort to, as appropriate: (i) address and resolve the Unforeseen Event within the terms and conditions of this MOU; or (ii) in the event an Unforeseen Event cannot be adequately resolved under this MOU, formulate amendments, modifications or other changes to this MOU and/or Exhibit "B" hereto to address and resolve such Unforeseen Event.

UNITED STATE	S FISH AND	WILDLIFE SERV	VICE
<b>OURAY NATIO</b>	NAL WILDI	LIFE REFUGE	
$\mathcal{O}^{-1}$	/ // ///		

By: / M / Hums Name: Dan Alonso

Title: Manager, Ouray National Wildlife Refuge

Date: 01/24/07 ,2007

STONEGATE RESOURCES, LLC

By: Name: R. Heggie Wilson

Title: Managing Member

#### EXHIBIT "A"

### Other Mineral Interests Owned by Stonegate:

McCamey:

Acq. 2/26/2004 Bk 873/Pg 96<sup>1</sup> Township 8 South - Range 21 East, SLM

Section 18: Beginning at the Northwest Corner of Lot (3); thence South 32 Rods; thence East 80 Rods to the East line of Lot 3; thence North 32 Rods; thence West 80 Rods

to point of beginning

Township 8 South - Range 20 East, SLM

Section 12:Beginning at the Southeast Corner of the Northeast Quarter (NE1/4); thence West 64 Rods, thence North 80 Rods; thence East 64 Rods;

thence South 80 Rods to point of beginning

Freed Ranch:

Acq, 5/3/2005

Bk 942/Pg 58

Township 8 South - Range 20 East, SLM

Section 1: Lots 7 and 8, SE/4NW/4

## Stonegate Fee Leases:

G. Allred, C. Dean,

J. Morrow

Bk 877/Pg 458

Bk 877/Pg 460

Bk 877/Pg 462

Township 8 South - Range 20 East, SLM

Section 12: N/2NE

Township 8 South – Range 21 East, SLM

Section 7: Lot 1

G. Davis:

Bk 883/Pg 114

Township 8 South - Range 21 East, SLM

Section 18: Beginning at the Northwest Corner of Lot (3); thence South 32 Rods; thence East 80 Rods to the East line of Lot 3; thence North 32 Rods; thence West 80 Rods

to point of beginning

Township 8 South - Range 20 East, SLM

Beginning at the Southeast Corner of the Northeast Quarter (NE1/4); thence West 64 Rods, thence North 80 Rods; thence East 64 Rods;

thence South 80 Rods to point of beginning

<sup>&</sup>lt;sup>1</sup> Book and page references of this Exhibit are to the records of Uintah County, Utah, and identify the location where a copy of the noted agreements and leases may be examined.

#### **ATTACHMENT "B"**

# Standard Operating Procedures for Fee Lands Owned and/or Leased by Stonegate within the Ouray National Wildlife Refuge

## A. Drilling Sites

- 1. Stonegate will abide by all applicable state and federal laws and regulations.
- 2. A Plan of Operation shall be prepared by Stonegate and provided to the Refuge Manager for comment prior to commencement of any surface disturbing activity.
- 3. A pre-work conference with Refuge staff will be held at least (5) days prior to any mobilization of equipment or construction.
- 4. Alternative access routes exist and/or can be developed through a Bureau of Land Management or other rights-of-way and Uintah County class B and D roads. Absent consent of the Refuge Manager, the Refuge entrance Road and tour route will not be utilized for accessing well sites.
- 5. The drilling pad will be less than 2.5 acres in size for single well pads and will be less than 4 acres in size for multiple well pads.
- 6. Topsoil (organic matter) will be stockpiled and made available for restoration work of drilling sites.
- 7. Completed drill pads may be inspected by FWS personnel prior to assembling the rig.
- 8. Reserve pits will be lined with a 9 mil or greater liner. No trash shall be disposed of in reserve pits.
- 9. Reserve pits will be netted in order to prevent access by migratory birds and other wildlife species.
- 10. Trash will be confined in a covered container and hauled to an approved landfill.
- 11. Human waste will be contained and disposed of at an approved sewage treatment facility.

Initials:

Fish & Wildlife DA

Stonegate V

12. No dumping or burning of refuse, sludge, waste oil, or brine will be permitted on drill sites.

- 13. If any spills of oil, gas, salt water, or other fluids occur, Stonegate will immediately contact the Refuge Manager and any other applicable regulatory agencies (including the contaminants branch of the Endangered Species office). Appropriate cleanup efforts will be initiated immediately; regardless of whether Stonegate is drilling, completing, operating, and/or abandoning a well.
- 14. If a spill is detected, Stonegate will implement a Spill Prevention Control and Countermeasure (SPCC) Plan, which specifies measures to control the spill, cleanup the spill, and reclaim the contaminated soil and vegetation. Stonegate's obligation to implement a SPCC plan shall apply to all stages of its operations, including but not limited to drilling, completing, operating and/or abandoning of wells.

## B. Access Roads and Facilities Placed on Lands of the Refuge

- 1. For drilling purposes, Stonegate will not construct access roads in excess of an 18' wide running surface with a 30' right-of-way.
- 2. Topsoil from the access road will be stockpiled and used to restore the drill site if the well proves to be a non-producer.
- 3. All disturbed soil not graveled will be seeded with native plant species selected by the Refuge Manager.
- 4. All portable buildings located on drilling pads will be self contained units. No discharge of sewage effluent will be permitted on the site.
- 5. Vehicle traffic will be limited to roads and trails.
- 6. Vehicles will travel at speeds within set speed limits of main access roads and at slower speeds appropriate for conditions on more remote roads and trails.

# C. Production Stipulations

1. If a well is a producer, the location and design of permanent roads, pipelines, and electrical lines shall be arrived at through consultation with the Refuge Manager prior to construction.

Initials: Fish & Wildlife DA Stonegate Police

- 2. Outdoor lighting will only be used when personnel are present.
- 3. Storage tanks will be surrounded by berms capable of holding at least 110% of the volume of the largest tank within the berm. The remaining drilling pad will be leveled; topsoil will be spread and seeded with native plant species acceptable to the Refuge Manager.
- 4. Stonegate will paint tanks and other facilities to blend with their surroundings.
- 5. Stonegate will avoid, where feasible, the placement of facilities on hill tops or along ridge lines in visually sensitive areas.
- 6. As far as practicable, utility and pipelines will be located within road corridors.
- 7. Stonegate will be responsible for the construction and maintenance of a locked gate where a road constructed by or for Stonegate enters lands of the Refuge.
- 8. No natural gas shall be vented or flared on site. Temporary flaring may occur for not more than 30 days following drilling completion or until the gas line installation is completed, whichever first occurs.

## D. Reclamation and Monitoring

- 1. When a location is permanently abandoned, the entire area associated with such location will be restored as near as practical to its original contours and seeded with native grasses acceptable to the Refuge Manager.
- 2. Stonegate will conduct reclamation in accordance with any legally required approved plan of operations including as specified therein, any special rehabilitation program. Stonegate will work with the Refuge Manager to monitor the success of interim and final reclamation. Stonegate will perform annual inspections on selected sites starting two years after initial reclamation work. The two-year gap would allow seed to become established and will provide two full growing seasons prior to inspection, which will allow for a better measure of reclamation success. If the revegetation is not as prescribed by the Refuge Manager for any reclaimed location, Stonegate will reseed the location.
- 3. If a well is a dry hole or when production ceases from a multiple well pad, as appropriate, any hydrocarbon soaked soil will be removed from the drilling site.

Initials: Fish & Wildlife PA Stonegate RAW

4. The drill pad will be leveled and the stockpiled topsoil spread and seeded with native grass seed selected by the Refuge Manager.

5. Abandoned well pads, roads, and other disturbed areas will be reclaimed as near as practicable to their original condition. This includes reestablishing soil conditions and revegatating the disturbed areas to the specifications of the Refuge Manager at the time of abandonment. All disturbed surfaces will be re-contoured to the approximate natural contours, with reclamation of the well pad and access road performed as soon as practicable after final abandonment of the well pad.

## E. Fire Management

- 1. All brush build-up around mufflers and other engine parts will be avoided; periodic checks will be conducted to prevent this build-up.
- 2. All personnel will be advised that campfires or uncontained fires of any kind are prohibited.

## F. Public Health and Safety

- 1. To minimize the possibility of fires during construction and operation, all equipment, including welding trucks, would be equipped with fire extinguishers and spark arresters.
- 2. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds would be used, produced, stored, transported, or disposed of annually, nor would extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, be used, produced, stored, transported, or disposed in association with the drilling, testing or completing of the proposed wells.

# G. Air Quality

1. As needed or determined necessary by the Refuge Manager, Stonegate will apply water to project-related roads within the Refuge to reduce fugitive dust from vehicle traffic.

# H. Vegetation

1. To reduce the spread/introduction of noxious and invasive weed species into the Refuge via construction-related vehicles and equipment, Stonegate's construction contractors entering the Refuge from other areas located at a distance of greater than four

Initials: Fish & Wildlife DO Stonegate Stonegate

- (4) miles from the Refuge shall power-wash all construction equipment and vehicles prior to entering the Refuge.
- 2. Weed control will be conducted through an approved Pesticide Use Proposal (PUP).
- 3. Weed monitoring and reclamation measures will be conducted along access roads, pipeline routes, well sites, and other applicable facilities within the Refuge and on an annual basis throughout the life of Stonegate's production activities, and will specifically include the following:
  - Completion of site-specific, pre-construction field surveys each spring during development of the Subject Lands to identify existing noxious weed infestations within the Leased Lands.
  - Use of certified weed-free erosion control and reclamation materials (i.e., straw bales and seed mixes).

## I. Bald eagle:

Oil and gas development activities which may effect bald eagle roosting season within the Refuge will be conducted according to appropriate measures to avoid and/or minimize potential impacts to bald eagles. Selection of appropriate measures will depend whether the activity is temporary or permanent, and whether it occurs within or outside the bald eagle breeding or roosting season and the activity's proximity to known bald eagle breeding or roosting areas. A temporary action is completed prior to the breeding or roosting season leaving no permanent structures and resulting in no permanent habitat loss. A permanent action continues for more than one breeding or roosting season and/or causes a loss of eagle habitat or displaces eagles through disturbances, i.e., creation of a permanent structure including but not limited to well pads, roads, pipelines, tank batteries, dehydration units, electrical power lines, and compressor stations. Appropriate bald eagle avoidance and minimization measures include the following:

- 1. Temporary activities within 0.50 miles of known winter roost areas, e.g., cottonwood galleries, will not occur during the winter roost season of November 1 to March 31, unless the area has been surveyed according to protocol and determined to be unoccupied.
- 2. No permanent infrastructure will be placed within 0.50 miles of known winter roost areas, e.g., cottonwood galleries.
- 3. Removal of carrion to 100 feet from roadways used by Stonegate occurring within bald eagle foraging range.

Initials:	Fish & Wildlife	DA	Stonegate Zuh
-----------	-----------------	----	---------------

The FWS will provide Stonegate with maps and data regarding known bald eagle breeding and/or roosting areas so that impacts can be avoided to ensure continued compliance with the Endangered Species Act (ESA).

## J. Uinta Basin hookless cactus (Sclerocactus glaucus wetlandicus) notifications:

Certain areas within the Refuge contain habitat which is suitable to the federally threatened Uinta Basin hookless cactus. In order to minimize effects to this federally threatened species, the FWS developed the following avoidance and minimization measures. Integration of and adherence to these measures will help ensure the activities carried out during oil and gas development (including but not limited to drilling, production, and maintenance) are in compliance with the ESA. The following avoidance and minimization measures will be included in Stonegate's plans of development:

- 1. Pre-project habitat assessments will be completed across 100% of the Subject Lands within potential habitat as determined by the FWS<sup>1</sup> prior to any ground disturbing activities to determine if suitable Uinta Basin hookless cactus habitat is present.
- 2. Within suitable habitat, 2 site inventories will be conducted to determine occupancy. Inventories:
  - a. Must be conducted by qualified individual(s) and according to FWS accepted survey protocols.
  - b. Will be conducted in suitable and occupied habitat for all areas proposed for surface disturbance prior to initiation of activities and within the same growing season, at a time when the plant can be detected, provided there is no snow cover.
  - c. Will occur within 115' from the centerline of any proposed right-of-way for surface pipelines or roads; and within 100' from the perimeter of disturbance for any proposed well pad including well pads.
  - d. Will include, but not be limited to, plant species lists and habitat characteristics, and
  - e. Will be valid for one year from the survey date for Sclerocactus wetlandicus.

Initials:

Fish & Wildlife DB Stonegate Stone

Potential habitat is defined as areas which satisfy the broad criteria of the species habitat description; usually determined by preliminary, in-house assessment.

Suitable habitat is defined as areas which contain or exhibit the specific components or constituents necessary for plant persistence; determined by field inspection and/or surveys; may or may not contain Uinta Basin hookless cactus. Habitat descriptions can be found in the U.S. Fish and Wildlife Service's 1990 Recovery Plan and Federal Register Notices for the Uinta Basin hookless cactus (http://www.fws.gov/endangered/wildlife.html),

- 3. Stonegate will design infrastructure to minimize impacts within suitable habitat.<sup>2</sup> If necessary, Stonegate will:
  - a. Reduce well pad size to the minimum needed, without compromising
  - b. Limit new access routes within the Refuge,
  - c. Ensure that roads and utilities share common right-of-ways where possible,
  - d. Reduce width of right-of-ways and minimize the depth of excavation needed for road beds within the Refuge and where feasible, use the natural ground surface for the road within habitat,
  - e. Place signing to limit off-road travel in sensitive areas,
  - f. Stay on designated routes and other cleared/approved areas, and
  - g. Re-vegetate all disturbed areas with native species comprised of species indigenous to the area and non-native species that are not likely to invade other areas.
- 4. Within occupied habitat,<sup>3</sup> infrastructure will be designed to avoid direct disturbance and minimize indirect impacts to populations and to individual plants. Stonegate will:
  - a. Follow the above (#3) recommendations for infrastructure design within suitable habitats,
  - b. Incorporate buffers of 100 feet minimum between the edge of the right of way (roads and surface pipelines) or surface disturbance (well pads) and plants and populations,
  - c. Lay surface pipelines such that a 100 foot buffer exists between the edge of the right of way and the plants, use stabilizing and anchoring techniques when the pipelines cross the habitat to ensure the pipelines don't move towards the population,
  - d. Before and during construction, identify areas for avoidance visually in the field, e.g., by flagging, temporary fencing, rebar, etc.,
  - e. Where technically and economically feasible, use directional drilling or multiple wells from the same pad,
  - f. Design construction to avoid concentrating water flows or sediments into occupied habitat,
  - g. Place produced oil, water, or condensate tanks in centralized locations and away from occupied habitat, and
  - h. Minimize the disturbed area of producing well locations through interim and final reclamation.

Initials:

Fish & Wildlife DB Stonegate CHC

<sup>&</sup>lt;sup>3</sup> Occupied habitat is defined as areas currently or historically known to support Uinta Basin Hookless cactus; synonymous with "known habitat."

- 5. Occupied Uinta Basin hookless cactus habitats within 100' of the edge of any surface pipeline's right-of-ways, 100' of the edge of the roads' right-of-ways, and 100' from the edge of the well pad shall be monitored for a period of three years after ground disturbing activities. Monitoring will include annual plant surveys to determine plant and habitat impacts relative to project facilities. Annual reports shall be provided to the FWS. To ensure desired results are being achieved, minimization measures will be evaluated and may be changed after a thorough review of the monitoring results and annual reports during annual meetings between Stonegate and the FWS.
- 6. Reinitiation of section 7 consultation with the FWS will be sought immediately if any loss of plants or occupied habitat for the Uinta Basin hookless cactus is anticipated as a result of Stonegate's activities.

Additional site-specific measures may also be employed as appropriate, to avoid or minimize effects to the species to ensure continued compliance with the ESA.

#### K. Power Lines

1. Unless otherwise agreed to by the Refuge Manager in writing, power lines shall be constructed in accordance with the standards outlined in Suggested Practices for Raptor Protection on Power Lines, (Edison Electrical Institute 1996). Stonegate will construct power lines in accordance with these standards or would assume the burden and expense of proving pole designs not shown in the referenced publication are "raptor safe." In which case, a raptor expert acceptable to the Refuge Manager shall provide such proof.

### L. Existing Facilities and Rights-of-Way

1. Cattle guards will be used for fence crossings whenever practicable. If a fence must be cut, h-braces will be installed to support the existing fence and a gate and/or cattle guard installed to prevent livestock movement.

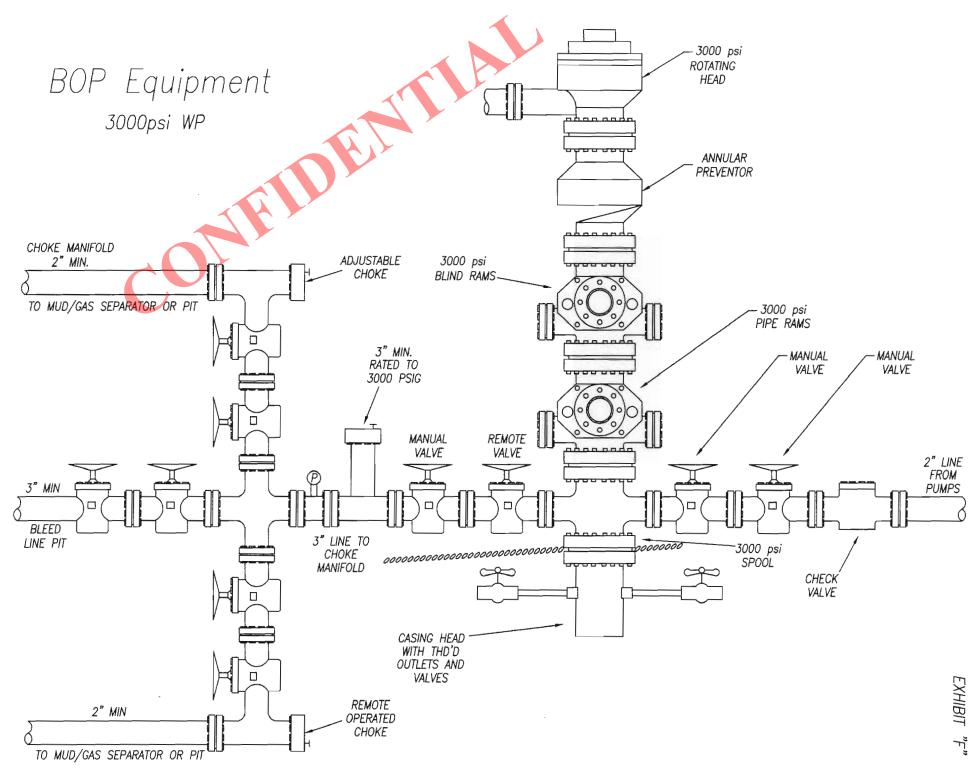
# M. Construction and Operations

- 1. Stonegate will install remote monitoring to measure production on gas and oil wells where practicable to reduce trips to individual well sites.
- 2. Where directed by the Refuge Manager, Stonegate will construct appropriate erosion control devises (riprap, bales, heavy vegetation) at culvert outlets.

Initials: Fish & Wildlife DA Stonegate RAC

## EXHIBIT "C"

			Station No. to be Credited	Permit Number		
U.S.	UNITED STATES DEPARTMENT OF THE INTER FISH AND WILDLIFE SERVICE		69554			
A CONTRACTOR	LIGH WAR AICDFILE SEVAIGE		Date			
-	National Wildlife					
		Period of Use (inclusive)				
	SPECIAL USE PERMIT		From	19		
			То	19		
Permittee Name	Pe	ermittee /	\ddress			
•						
Purpose (specify in de	etalf privilege requested, or units of products involv	ved)				
	,					
		_ <				
	. <u>ż</u> .	1				
		777				
,						
Description (specify L	unit numbers; metes and bounds, or other recognize	ahle desi	natione)			
			4134500 m)			
•		•		•		
Amount of fee \$	If not a fixed payment, specify rate a	and unit o	f charge:			
Payment Exempt						
. Full Payment				•		
Partial Payment -	Balance of payments to be made as follows:					
Record of Payments		······································				
	•					
Special Conditions				ANAMASA ANAMANANA ANAMASA ANAMANAMANA ANAMASA		
			•			
		****				
This pe	ermit is issued by the U.S. Fish and Wildlife Service and acco ions, and reservations, expressed or implied herein, and la th	colod by the	e undersigned, subjected to the	ieims, covenanis,		
Permittee Signature			icer Signature and Title	1 Ine reverse dide.		
				•		
Form 3:1383 (Rev. 8/85)			1 /			





2580 Creekview Road Moab, Utah 84532 435/719-2018

September 26, 2012

Mrs. Diana Mason State of Utah Division of Oil Gas and Mining P.O. Box 145801 Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill – Axia Energy, LLC – **Three Rivers 18-31-821**Surface Location: 503' FNL & 2626' FWL, NE/4 NW/4, Section 18, T8S, R21E,

Target Location: 660' FNL & 1980' FEL, NW/4 NE/4, Section 18, T8S, R21E,

SLB&M, Uintah County, Utah

#### Dear Diana:

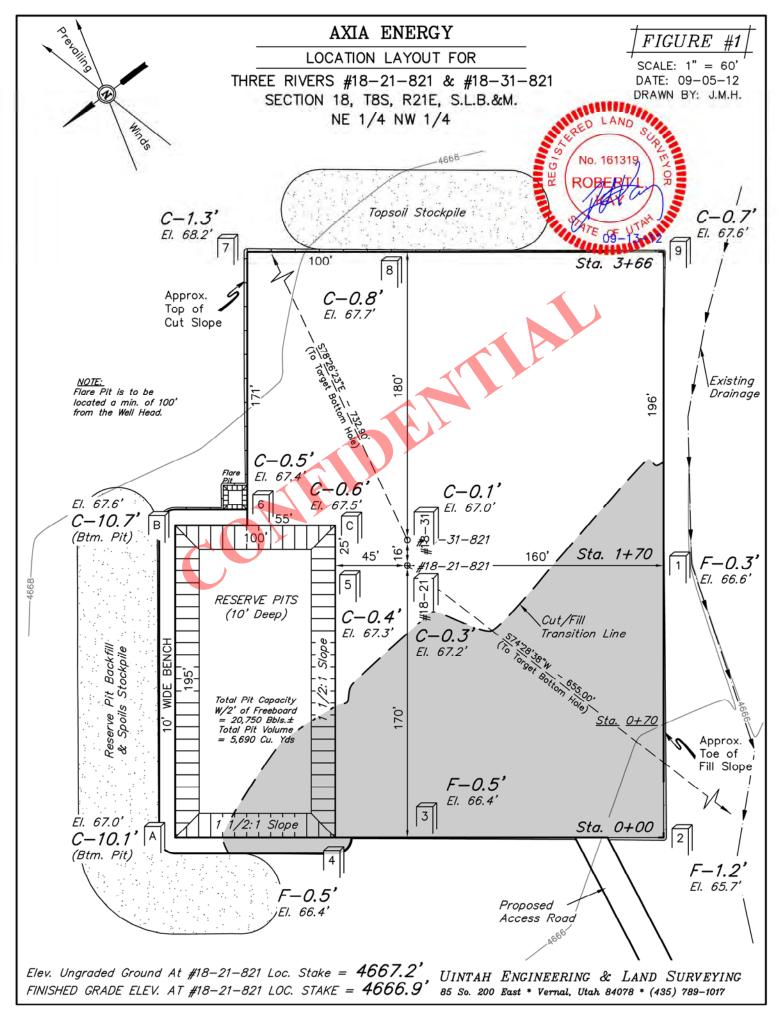
Axia Energy, LLC respectfully submits this request for exception to spacing (R649-3-11) based on geology since the well is located less than 460 feet to the drilling unit boundary. Axia Energy, LLC is the only owner and operator within 460 feet of the surface and target location as well as all points along the intended well bore path and are not within 460 feet of any uncommitted tracts or a unit boundary.

Thank you very much for your timely consideration of this application. Please feel free to contact Jess A. Peonio of Axia Energy, LLC at 720-746-5212 or myself should you have any questions or need additional information.

Sincerely,

Don Hamilton Agent for Axia Energy, LLC

cc: Jess A. Peonio, Axia Energy, LLC

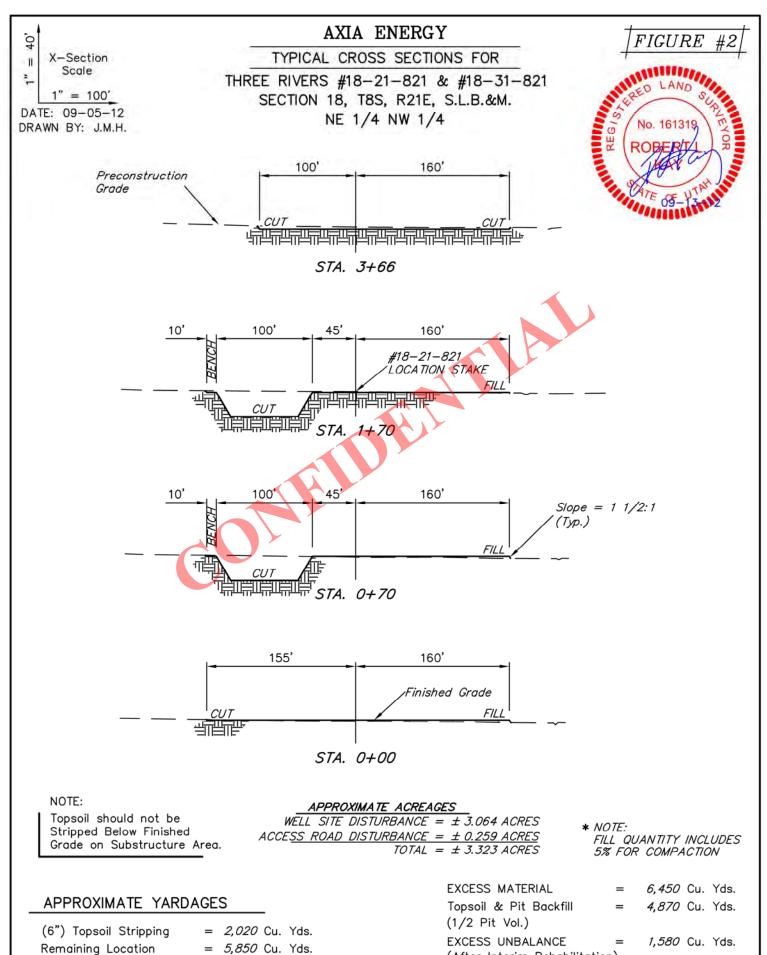


TOTAL CUT

**FILL** 

7,870 CU. YDS.

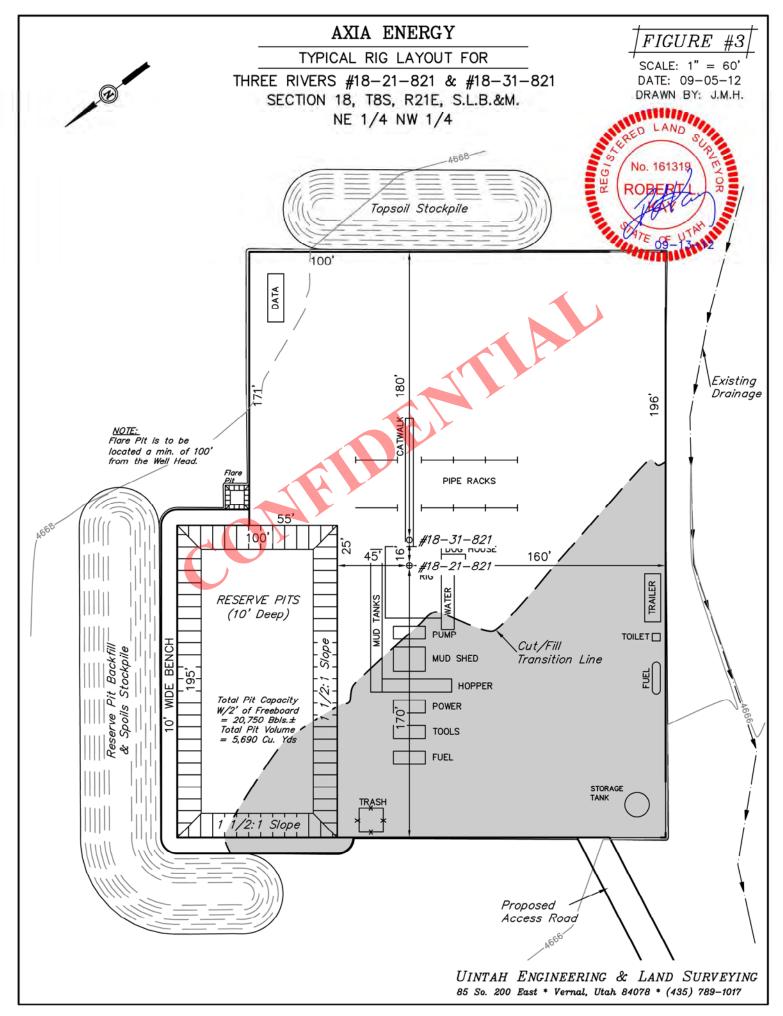
1,420 CU. YDS.

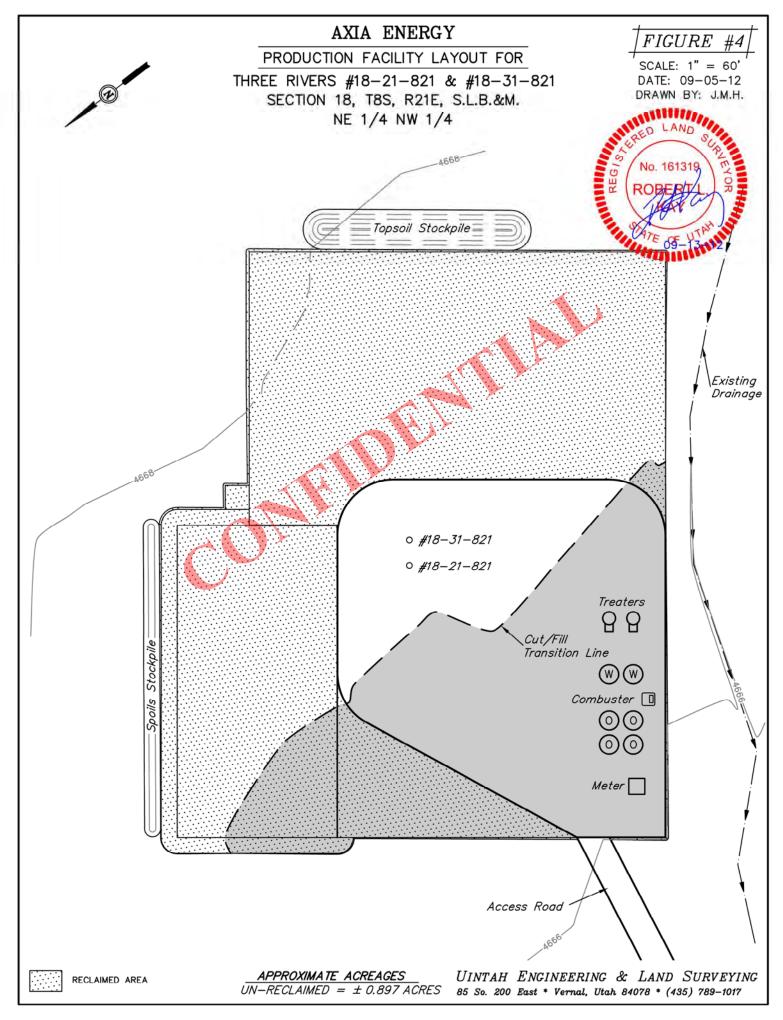


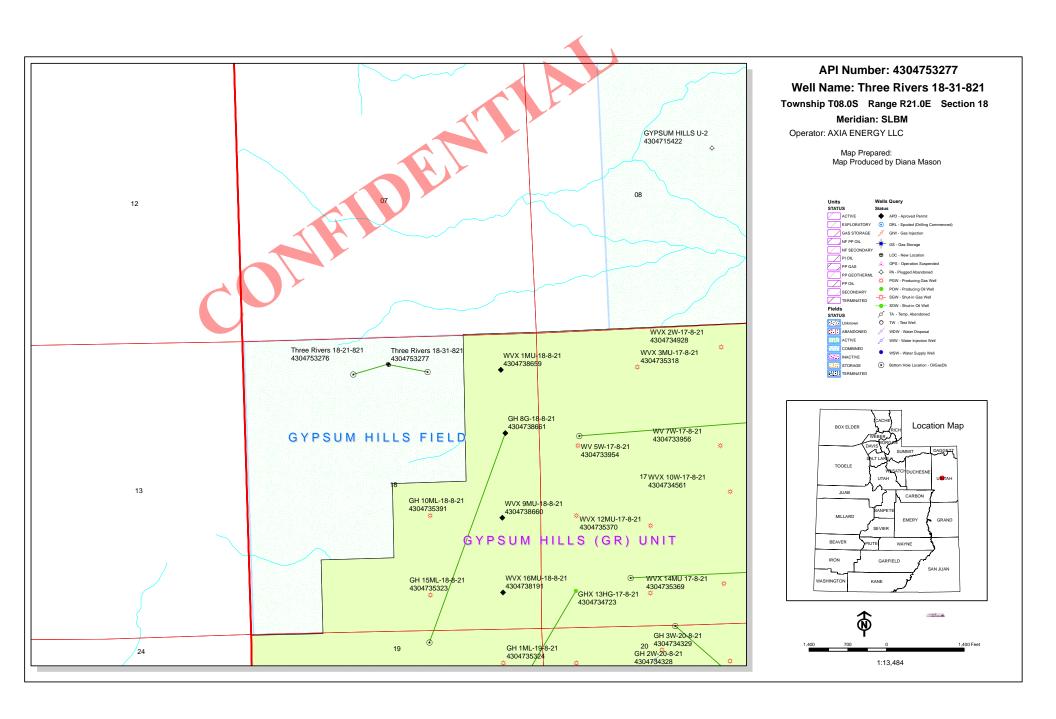
UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

(After Interim Rehabilitation)



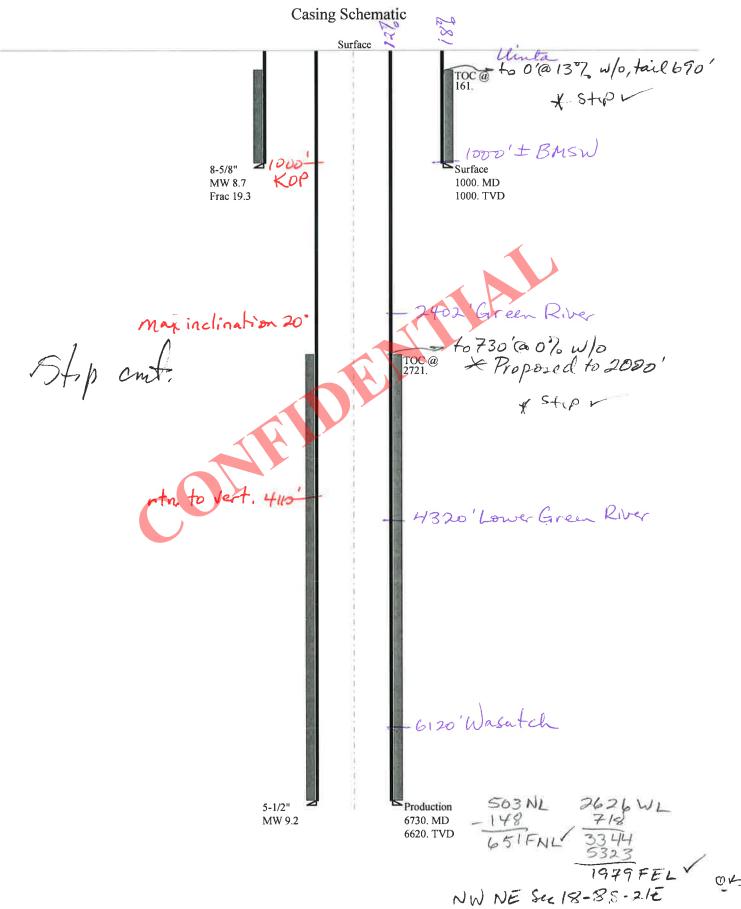




#### BOPE REVIEW AXIA ENERGY LLC Three Rivers 18-31-821 43047532770000

Well Name  AXIA ENERGY LLC Three Rivers 18-31-821 43					04 004 40047		770000	╗	1		
String							532	770000	≓		
		Surf	Prod	=	H,		II.		╣		
Casing Size(")		8.625	5.500	0	Įļ,		1		╝		
Setting Depth (TVD)		1000	6620		Į!		1		ᆈ		
Previous Shoe Setting Dept	h (TVD)	0	1000		Щ				Ц	·	
Max Mud Weight (ppg)		8.7	9.2		Ц				Ц		
BOPE Proposed (psi)		1000	3000		Ш		1		╝		
Casing Internal Yield (psi)		3930	5320						Ц		
Operators Max Anticipated	Pressure (psi)	2867	8.3								
Calculations		Surf Str	ing		_		_	8.625	5 "		
Max BHP (psi)		.(	)52*S	etting I	De	pth*MW=	45	52	t		
					_		1-		В	OPE Adequ	ate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BH	IP-(0.	12*Sett	in	g Depth)=	33	32	М	ÆS C	diverter with rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth			g Depth)=	23	32	Y	ÆS (	DK I		
							-		*(	Can Full Ex	spected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Prev	vious Sl	ho	e Depth)=	23	32	N	NO O	DK I
Required Casing/BOPE Tes	st Pressure=						10	000	ps	si	
*Max Pressure Allowed @ :	Previous Casing S	Shoe=					0		ps	si *Assu	mes 1psi/ft frac gradient
							\ <u></u>				
Calculations		Prod Str						5,500	"		
Max BHP (psi)		).	)52*S	etting I	De	pth*MW=	3	167	L		
			- 4		N				В	OPE Adequ	nate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)					_		23	373	<u> </u>	ÆS .	
MASP (Gas/Mud) (psi)		Max BH	IP-(0.:	22*Sett	in	g Depth)=	17	711			OK
					_		_		*(	Can Full Ex	spected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe		etting Depth	- Prev	vious Sl	ho	e Depth)=	19	931	<u>  N</u>	NO [	ok
Required Casing/BOPE Tes							30	000	ps	si	
*Max Pressure Allowed @ 1	Previ <mark>ous Casing S</mark>	Shoe=					10	000	ps	si *Assu	mes 1psi/ft frac gradient
Calculations		String			_		_		"		
Max BHP (psi)				etting I	De	pth*MW=	Г				
							-		В	OPE Adequ	ate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BH	IP-(0.	12*Sett	in	g Depth)=	Г		ĪN	NO I	
MASP (Gas/Mud) (psi)		Max BH	IP-(0.2	22*Sett	in	g Depth)=	Ē		I N	NO I	
					_		1-		-		spected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Prev	vious Sl	ho	e Depth)=	Г		N	NO I	j
Required Casing/BOPE Tes	st Pressure=								p s	si	
*Max Pressure Allowed @	Previous Casing S	Shoe=					Ī		ps	si *Assu	mes 1psi/ft frac gradient
							-				
Calculations		String							Ľ		
Max BHP (psi)		).	)52*S	etting I	De	pth*MW=			L		
MAGD (C. ) ( P)		.,	(D. / ^	10**	_	D 33	_		Be	OPE Adequ	nate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)						g Depth)=	_		N	NO I	
MASP (Gas/Mud) (psi)		Max BH	IP-(0.:	22*Sett	in	g Depth)=				10	
n 11 n 1 5	N DVV				_		_		*(	Can Full Ex	spected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe		etting Depth	- Prev	vious Sl	no	e Depth)=			-		
Required Casing/BOPE Tes									ps		
*Max Pressure Allowed @ 1	Previous Casing S	Shoe=					Г		ps	si *Assu:	mes 1psi/ft frac gradient

## 43047532770000 Three Rivers 18-31-821



Well name:

43047532770000 Three Rivers 18-31-821

Operator:

**AXIA ENERGY LLC** 

String type:

Project ID:

Surface

43-047-53276

Location:

**UINTAH COUNTY** 

Minimum design factors: **Environment:** 

Collapse

8.700 ppg Mud weight:

Collapse: Design factor

1.125

H2S considered? Surface temperature: No 74 °F

Design is based on evacuated pipe.

Bottom hole temperature: Temperature gradient:

88 °F 1.40 °F/100ft

Minimum section length:

100 ft

**Burst:** 

Design factor

**Tension:** 

8 Round STC:

8 Round LTC:

1.00

1.80 (J)

1.70 (J)

Cement top:

161 ft

**Burst** 

Max anticipated surface

pressure: Internal gradient:

Design parameters:

880 psi 0.120 psi/ft

Calculated BHP

No backup mud specified.

1,000 psi

Premium:

Body yield:

Buttress: 1.60 (J) 1,50 (J) 1.50 (B)

Tension is based on air weight. Neutral point:

Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

6,620 ft 9.200 ppg 3,164 psi 19.250 ppg

Fracture mud wt: Fracture depth: Injection pressure:

1,000 ft 1,000 psi

Run Seq	Segment Length (ft) 1000	Size (in) 8.625	Nominal Weight (lbs/ft) 32.00	Grade	End Finish LT&C	True Vert Depth (ft) 1000	Measured Depth (ft) 1000	Drift Diameter (in) 7.875	Est. Cost (\$) 8056
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	452	2530	5.600	1000	3930	3.93	32	417	13.04 J

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: November 30,2012 Salt Lake City, Utah

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43047532770000 Three Rivers 18-31-821

Operator:

**AXIA ENERGY LLC** 

String type:

Production

Project ID:

43-047-53276

Location:

**UINTAH COUNTY** 

Design parameters:

Collapse Mud weight:

9.200 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor

1.125

**Environment:** 

H2S considered? Surface temperature: No 74 °F

Bottom hole temperature: 167 °F 1.40 °F/100ft Temperature gradient:

Minimum section length: 1,000 ft

Burst:

Design factor

1.00

1.80 (J)

Cement top:

2,721 ft

**Burst** 

Max anticipated surface

pressure: Internal gradient: 1,707 psi 0.220 psi/ft

Calculated BHP

3.164 psi

No backup mud specified.

Tension:

**Buttress:** 

Premium:

Body yield:

8 Round STC:

8 Round LTC: 1.80 (J) 1.60 (J) 1.50 (J)

1.60 (B)

Tension is based on air weight.

Directional Info - Build & Drop

Kick-off point Departure at shoe:

1000 ft 733 ft 2 °/100ft

Maximum dogleg: Inclination at shoe:

o°

Neutral point: 5,806 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (Ibs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6730	5.5	17.00	J-55	LT&C	6620	6730	4.767	26073
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3164	4910	1.552	3164	5320	1.68	112.5	247	2.19 J

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357

FAX: 801-359-3940

Date: November 30,2012 Salt Lake City, Utah

Collapse is based on a vertical depth of 6620 ft, a mud weight of 9.2 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

## **ON-SITE PREDRILL EVALUATION**

## Utah Division of Oil, Gas and Mining

**Operator** AXIA ENERGY LLC

Well Name Three Rivers 18-31-821

API Number 43047532770000 APD No 6943 Field/Unit GYPSUM HILLS

Location: 1/4,1/4 NENW Sec 18 Tw 8.0S Rng 21.0E 503 FNL 2626 FWL

GPS Coord (UTM) 619486 4443022 Surface Owner Ouray National Wildlife Refuge -

**USFWS** 

#### **Participants**

Chris Dipple and Dan Schaad (USFWS), Don Hamilton and Jim Burns (permit contractors), Cody Rich (surveyor), John Busch (Axia representative)

#### Regional/Local Setting & Topography

This location is on a clay flat on the outer edge of the Green River flood plain in the Wyasket Bottom area. The location is approximately 1.5 miles east of the Green River and drainage from the site gradual toward the river but overall flat. Ouray, Utah is approximately 5 miles south west on the Wyasket Bottom Road. This site is on Ouray Wildlife refuge surface.

#### Surface Use Plan

**Current Surface Use** 

Wildlfe Habitat

New Road
Miles

Well Pad

Src Const Material

Surface Formation

0.07 Width 260 Length 366 Offsite UNTA

Ancillary Facilities N

Road base to brought in for berms and tank pads

#### Waste Management Plan Adequate? Y

#### **Environmental Parameters**

Affected Floodplains and/or Wetlands Y

Large flood plain extends for miles east of Geen River

Flora / Fauna

A cactus survey is scheduled but has not yet been done, greasewood, atriplex

Wild horses

Soil Type and Characteristics

Clay loam

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

RECEIVED: December 18, 2012

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

#### Reserve Pit

**Site-Specific Factors** 

Site Ranking

Distance to Groundwater (feet)
Distance to Surface Water (feet)
Dist. Nearest Municipal Well (ft)
Distance to Other Wells (feet)
Native Soil Type
Fluid Type
Drill Cuttings
Annual Precipitation (inches)
Affected Populations
Presence Nearby Utility Conduits
Final Score

Sensitivity Level

#### Characteristics / Requirements

The surface owner representatives Dan Schaad and Chris Dipple of the USFWS requested a closed loop system and Axia representatives Don Hamilton and John Busch agreed to this.

Closed Loop Mud Required? Y Liner Required? Liner Thickness Pit Underlayment Required?

#### **Other Observations / Comments**

This is a 2 well pad to be shared with the Three Rivers 18-31-821 (API # 43-047-53276)

Richard Powell

10/16/2012

Evaluator Date / Time

RECEIVED: December 18, 2012

# Application for Permit to Drill Statement of Basis

### Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM		
6943	43047532770000	LOCKED	OW	P	No		
Operator	AXIA ENERGY LLC		Surface Owner-APD	<u> </u>	Ouray National Wildlife Refuge - USFWS		
Well Name	Three Rivers 18-31-8	321	Unit				
Field	GYPSUM HILLS		Type of Work	DRILL			
Location	NENW 18 8S 211 (UTM) 619490E 4	E S 503 FI 443020N	NL 2626 FWL	GPS Coord			

#### **Geologic Statement of Basis**

Axia proposes to set 1,000 feet of surface pipe, cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at approximately 1,000 feet. A search of Division of Water Rights records shows 2 water wells within a 10,000 foot radius of the center of Section 18. Both wells are over a mile from the proposed location. Well uses are listed for EOR make-up water and stock watering. Depth is listed for only 1 well at 40 feet. The surface formation at this site is the Uinta Formation and alluvium derived from the Uinta Formation. Listed wells probably produce from the Uinta Formation and associated alluvium. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill

APD Evaluator

11/6/2012 **Date / Time** 

#### **Surface Statement of Basis**

This proposed well is on surface which is part of the Ouray National Wildlife Refuge. Refuge representatives Dan Schaad and Chris Dipple were in attendance for this onsite inspection. The site is on a large flood plain which extends for several miles east of the Green River. This appears to be a stable location and according to the Refuge personal flood water does not extend to this site during high water episodes. The site is approximately 1.5 miles east of the river. But, water could sub up to be close to the surface, and for this reason Mr. Schaad and Mr. Dipple requested that a closed loop system be used and that no wastes be disposed of or remediated in place. Axia representatives John Busch and Don Hamilton agreed to use a closed loop system and to haul all cuttings and waste to approved disposal facilities. I informed Mr. Busch and Mr. Hamilton that drilling mud must be disposed of a an approved landfill and would not be acceptable for disposal at any DOGM regulated land farm. The Axia representatives stated their understanding of this. The USFWS staff also expressed concern that no drainages are effected. There is a very small drainage on the south side of the location which appears to not be effected by the proposed site but Axia agreed to make a diversion if needed.

Richard Powell
Onsite Evaluator

10/16/2012 **Date / Time** 

Conditions of Approval / Application for Permit to Drill

RECEIVED: December 18, 2012

Category	Condition
Pits	A closed loop mud circulation system is required for this location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	Drill cuttings, drilling mud and all other wastes must be disposed of at approved facilities offsite.



#### **WORKSHEET** APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 10/3/2012

WELL NAME: Three Rivers 18-31-821 **OPERATOR:** AXIA ENERGY LLC (N3765)

**CONTACT:** Don Hamilton

PROPOSED LOCATION: NENW 18 080S 210E

SURFACE: 0503 FNL 2626 FWL

**BOTTOM: 0660 FNL 1980 FEL** 

**COUNTY: UINTAH** 

**LATITUDE**: 40.12902

**UTM SURF EASTINGS: 619490.00** 

FIELD NAME: GYPSUM HILLS

LEASE TYPE: 4 - Fee

**LEASE NUMBER:** Patented

SURFACE OWNER: 4 - Fee

API NO. ASSIGNED: 43047532770000

PHONE NUMBER: 435 719-2018

Permit Tech Review:

**Engineering Review:** 

Geology Review:

LONGITUDE: -109.59754

NORTHINGS: 4443020.00

PROPOSED PRODUCING FORMATION(S): WASATCH

**COALBED METHANE: NO** 

#### **RECEIVED AND/OR REVIEWED:**

✓ PLAT

Bond: STATE/FEE - LPM9046683

**Potash** 

Oil Shale 190-5

Oil Shale 190-3

Oil Shale 190-13

Water Permit: 49-2262 - RNI at Green River

**RDCC Review:** 

**Fee Surface Agreement** 

Intent to Commingle

**Commingling Approved** 

**LOCATION AND SITING:** 

R649-2-3.

Unit:

R649-3-2. General

R649-3-3. Exception

**Drilling Unit** 

Board Cause No: R649-3-11

**Effective Date:** 

Siting:

R649-3-11. Directional Drill

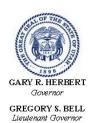
Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill

5 - Statement of Basis - bhill

12 - Cement Volume (3) - ddoucet

15 - Directional - dmason 23 - Spacing - dmason 25 - Surface Casing - hmacdonald



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

#### Permit To Drill

\*\*\*\*\*

Well Name: Three Rivers 18-31-821

**API Well Number:** 43047532770000

Lease Number: Patented

**Surface Owner:** FEE (PRIVATE) **Approval Date:** 12/18/2012

#### **Issued to:**

AXIA ENERGY LLC, 1430 Larimer Ste 400, Denver, CO 80202

#### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### **Exception Location:**

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **Conditions of Approval:**

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an

area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2000' MD as indicated in the submitted drilling plan.

#### Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

 Within 24 hours following the spudding of the well - contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
  - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

#### **Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
  Dustin Doucet 801-538-5281 office
  - 801-733-0983 after office hours
- Dan Jarvis 801-538-5338 office
  - 801-231-8956 after office hours

#### Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
  - Requests to Change Plans (Form 9) due prior to implementation
  - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
  - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas Sundry Number: 44785 API Well Number: 43047532770000

	STATE OF UTAH		FORM 9		
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	G	5.LEASE DESIGNATION AND SERIAL NUMBER: Patented		
	Y NOTICES AND REPORTS ON	_	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	posals to drill new wells, significantly dee reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Three Rivers 18-31-821		
2. NAME OF OPERATOR: AXIA ENERGY LLC		9. API NUMBER: 43047532770000			
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der	9. FIELD and POOL or WILDCAT: GYPSUM HILLS				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0503 FNL 2626 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NENW Section:	IIP, RANGE, MERIDIAN: 18 Township: 08.0S Range: 21.0E Meridian	:: S	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	NATURE OF NOTICE, REPOR	T, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
✓ NOTICE OF INTENT	ACIDIZE	ALTER CASING	CASING REPAIR		
Approximate date work will start: 4/15/2014	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
4/15/2014	☐ CHANGE WELL STATUS ☐	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
Date of Work Completion.	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
 	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION		
кероп расе.	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all p	ertinent details including dates, d	lepths, volumes, etc.		
Axia Energy LLC res	spectfully requests a one year $\epsilon$	extension of the state	Approved by the		
permit for the refere	enced well. This is the first extended in the control of the contr	ension that has been	Utah Division of Oil, Gas and Mining		
			Date: November 18, 2013		
			By: Laggill		
NAME (DI FACE DOINT)	BUONE NUMBER	TITLE			
NAME (PLEASE PRINT) Don Hamilton	<b>PHONE NUMBER</b> 435 719-2018	TITLE Permitting Agent (Buys & A	ssociates, Inc)		
SIGNATURE N/A		DATE 11/12/2013			

Sundry Number: 44785 API Well Number: 43047532770000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047532770000

**API:** 43047532770000 **Well Name:** Three Rivers 18-31-821

Location: 0503 FNL 2626 FWL QTR NENW SEC 18 TWNP 080S RNG 210E MER S

Company Permit Issued to: AXIA ENERGY LLC Date Original Permit Issued: 12/18/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

•		
	cated on private land, has the owners  Mo	ship changed, if so, has the surface agreement been updated? 🔘
	e any wells been drilled in the vicinit irements for this location? 🔵 Yes	ey of the proposed well which would affect the spacing or siting  No
	there been any unit or other agreem losed well? 🤵 Yes 🌘 No	ents put in place that could affect the permitting or operation of th
	e there been any changes to the acce losed location? ( Yes ( No	ess route including ownership, or rightof- way, which could affect t
• Has	the approved source of water for dri	lling changed? 🔘 Yes 🃵 No
	e there been any physical changes to s from what was discussed at the on	o the surface location or access route which will require a change in site evaluation? 🔘 Yes 📵 No
• Is bo	onding still in place, which covers th	is proposed well? 🌘 Yes 🔘 No
Signature:	Don Hamilton	Date: 11/12/2013
Title:	Permitting Agent (Buys & Associates,	Inc) Representing: AXIA ENERGY LLC

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

### Request to Transfer Application or Permit to Drill

	(This form should a	ccompany a Sundr	y Notice, Form 9, requ	esting APD transfer)		
Well	name:	See Attached L	ist			<del>*************************************</del>
API	number:					
Loca	ation:	Qtr-Qtr:	Section:	Township: Range:		
Com	pany that filed original application:	Don Hamilton -	Star Point Enterprises	for Axia Energy, LLC		
Date	original permit was issued:					
Com	pany that permit was issued to:	Axia Energy	And the state of t		·	
Check		Des	ired Action:	46	<u></u>	
one	,				100	
1	Transfer pending (unapproved) App	lication for Pe	ermit to Drill to ne	ew operator		
	The undersigned as owner with legal resubmitted in the pending Application for owner of the application accepts and a	or Permit to Dril	l, remains valid an	nd does not require revision. The	new	
	Transfer approved Application for P	ermit to Drill t	o new operator			
	The undersigned as owner with legal r information as submitted in the previous revision.				re	
Follo	owing is a checklist of some items rel	ated to the ap	olication. which s	should be verified.	Yes	No
	ated on private land, has the ownership					1
	If so, has the surface agreement been		AND THE PROPERTY OF THE PROPER			<b>'</b>
	any wells been drilled in the vicinity of trements for this location?	-	ell which would af	fect the spacing or siting		1
Have	there been any unit or other agreement osed well?	ts put in place t	hat could affect th	e permitting or operation of this		1
	there been any changes to the access osed location?	route including	ownership or right	t-of-way, which could affect the		✓
Has t	the approved source of water for drilling	changed?				1
	there been any physical changes to the from what was discussed at the onsite		on or access route	which will require a change in		✓
ls bo	nding still in place, which covers this pro	posed well? B	ond No			
shou	desired or necessary changes to either a ld be filed on a Sundry Notice, Form 9, o ssary supporting information as required	or amended Ap				red,
	e (please print) Mary Sharon Balakas	lihr	Title Attorney in F	Fact		a
	esenting (company name) Ultra Resource		Date <u>/ ス / / /</u>			
vehu	esenting (company name)	_			•	

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

## Division of Oil, Gas and Mining

## OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)			Operator Name Change/Merger						
The operator of the well(s) listed below has char	ged, effecti	ve:	10/1/2013						
FROM: (Old Operator):			<b>TO:</b> ( New (	Operator):			-		
N3765-Axia Energy, LLC			N4045-Ultra		nc.				
1430 Larimer Street, Suite 400	1430 Larimer Street, Suite 400								
Denver, CO 80202	304 Inverness Englewood, (		, Suite 273						
Phone: 1 (720) 746-5200			Phone: 1 (303	3) 645-9810					
CA No.			Unit:	N/A					
WELL NAME	SEC TWI	N RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS		
See Attached List				1,0	111111	11111	SIATUS		
<ol> <li>1. (R649-8-10) Sundry or legal documentation was</li> <li>2. (R649-8-10) Sundry or legal documentation was</li> <li>3. The new company was checked on the Departs</li> <li>4a. Is the new operator registered in the State of Usa. (R649-9-2)Waste Management Plan has been respections of LA PA state/fee well sites compisc. Reports current for Production/Disposition &amp; S</li> </ol>	nent of Con Itah: ceived on: lete on: undries on:	from the	e NEW operators, Division of Caracters Num N/A N/A 1/14/2014	or on: Corporations aber: —	8861713-01	_ n:	1/14/2014		
6. Federal and Indian Lease Wells: The BL	M and or th	e BIA ł	nas approved th	ne merger, na	me change,				
or operator change for all wells listed on Federa	al or Indian	leases o	on:	BLM	Not Yet	BIA			
7. Federal and Indian Units:									
The BLM or BIA has approved the successor				1:	N/A				
8. Federal and Indian Communization Ag						_			
The BLM or BIA has approved the operator f					N/A				
9. Underground Injection Control ("UIC"	) Division	has ap	proved UIC I	Form 5 Tran	sfer of Autl	hority to			
Inject, for the enhanced/secondary recovery un	it/project fo	r the wa	ter disposal we	ell(s) listed o	n:	N/A			
DATA ENTRY:			•	` ,			_		
<ol> <li>Changes entered in the Oil and Gas Database</li> <li>Changes have been entered on the Monthly Op</li> <li>Bond information entered in RBDMS on:</li> <li>Fee/State wells attached to bond in RBDMS on</li> <li>Injection Projects to new operator in RBDMS on</li> </ol>	erator Cha	inge Sp	1/14/2014 read Sheet on 1/14/2014 1/14/2014 N/A	- : -	1/14/2014	-			
6. Receipt of Acceptance of Drilling Procedures for		v on:		_	1/14/2014				
7. Surface Agreement Sundry from <b>NEW</b> operator	on Fee Surf	face wel	lls received on:	•	Yes	-			
<b>BOND VERIFICATION:</b>				•		-			
1. Federal well(s) covered by Bond Number:			22046400						
2. Indian well(s) covered by Bond Number: 22046400									
3a. (R649-3-1) The <b>NEW</b> operator of any state/fee	well(s) list	ed cove	red by Bond N	umber	22046398				
3b. The <b>FORMER</b> operator has requested a release	of liability	from th	eir bond on:	Not Yet					
LEASE INTEREST OWNER NOTIFIC	ATION:								
4. (R649-2-10) The <b>NEW</b> operator of the fee wells		ntacted	and informed b	ov a letter fro	m the Divisio	าท			
of their responsibility to notify all interest owner	s of this cha	nge on:	HIOIIIVU	1/14/2014	111 UIC DIVISIO	<i>7</i> 11			
COMMENTS:			-						

Well Name	Sec	TWN				Mineral Lease	Well Type	Well Status
THREE RIVERS 2-41-820	2	080S		4304752686		State	OW_	APD
THREE RIVERS 2-25-820	2	080S		4304752690		State	OW	APD
THREE RIVERS 36-21-720	36	070S	200E	4304752698		State	OW	APD
THREE RIVERS 36-13-720	36	070S	200E	4304752699		State	OW	APD
THREE RIVERS FEDERAL 3-54-82		080S	200E	4304752860		Federal	OW	APD
THREE RIVERS FEDERAL 3-33-82	+	080S	200E	4304752864		Federal	OW	APD
THREE RIVERS FED 35-34-720	35	070S	200E	4304753006		Federal	OW	APD
THREE RIVERS FED 35-42-720	35	070S	200E	4304753007	İ	Federal	OW	APD
THREE RIVERS FED 35-44-720	35	070S	200E	4304753008		Federal	OW	APD
Three Rivers 2-32-820	2	080S	200E	4304753274	1	State	OW	APD
Three Rivers 18-21-821	18	080S	210E	4304753276		Fee	OW	APD
Three Rivers 18-31-821	18	080S	210E	4304753277		Fee	OW	APD
Three Rivers 27-34-720	34	070S	200E	4304753278		Fee	OW	APD
Three Rivers 34-31T-720	34	070S	200E	4304753281		Fee	OW	APD
Three Rivers Federal 35-14-720	35	070S	200E	4304753553		Federal	OW	APD
Three Rivers Federal 35-13-720	35	070S	200E	4304753554		Federal	OW	APD
Three Rivers 7-34-821	7	080S	210E	4304753558		Fee	OW	APD
Three Rivers 7-23-821	7	080S	210E	4304753559		Fee	OW	APD
Three Rivers 7-21-821	7	080S		4304753560		Fee	OW	APD
Three Rivers 7-22-821	7	080S		4304753561		Fee	OW	APD
Three Rivers 7-12-821	7	080S		4304753562		Fee	OW	APD
Three Rivers 18-22-821	18	080S	210E	4304753620		Fee	OW	APD
Three Rivers 18-32-821	18	080S		4304753621	İ	Fee	OW	APD
Three Rivers D	16	080S		4304753702		State	WD	APD
Three Rivers Federal 4-41-820	4	080S		4304753911	i	Federal	OW	APD
Three Rivers Federal 4-42-820	4	080S	200E	4304753913		Federal	OW	APD
Three Rivers Federal 3-12-820	4	080S	200E	4304753914			OW	APD
Three Rivers Federal 34-42-720	35	070S		4304753915			OW	APD
Three Rivers Federal 34-43-720	35	070S		4304753916			OW OW	APD
Three Rivers Federal 35-12-720	35	070S		4304753917			OW	APD
Three Rivers Federal 35-43-720	35	070S		4304753918			OW OW	APD
Three Rivers Federal 35-442-720	35	070S		4304753919			OW OW	APD
Three Rivers Federal 35-21-720	35	070S		4304753943			ow ow	APD
Three Rivers Federal 35-11-720	35	070S		4304753944			ow ow	APD
Three Rivers 2-24-820	2	080S		4304753945			OW OW	APD
Three Rivers 2-223-820	2	080S		4304753946			ow ow	APD
Three Rivers 2-21-820	2	080S		4304753947			ow ow	APD
	2	080S		4304753948			ow	APD
Three Rivers 32-42-720	32	070S		4304753949			OW	APD
Three Rivers Federal 3-13-820	3	080S		4304753951			OW	APD
Three Rivers Federal 3-14-820	3	080S		4304753952			OW OW	APD
Three Rivers Federal 3-23-820	3	080S		4304753953	+		OW OW	
	3	080S		4304753954			OW OW	APD
	5	080S		4304753956			OW	APD
Three Rivers Federal 5-43-820	5	080S	1	4304753957				APD
Three Rivers Federal 5-42-820	5	080S		4304753957			OW	APD
Three Rivers Federal 5-11-820	5	080S			1		OW	APD
Three Rivers Federal 5-21-820	5	080S		4304754204			OW	APD
	8	080S		4304754205			OW	APD
	8	080S	-	4304754211	·		OW	APD
	3			4304754212			OW	APD
	3	0808	- <del></del>	4304754213			OW	APD
	_	080S		4304754214			OW	APD
	32	070S		4304752735			OW	DRL
THREE RIVERS FEDERAL 8-52-820		080S	-	4304752770			OW	DRL
	5	080S		4304752863			OW	DRL
	10	080S		4304752949	-		OW	DRL
	34	070S		4304752950			OW	DRL
	16	080S		4304753229			OW	DRL
Three Rivers 16-22-820	16	080S	200E	4304753230	18961	State	WC	DRL

1 1/14/2014

	1	<del>-,</del>	1		1			
Three Rivers Federal 34-35-720	34	070S	200E		·	Federal	OW	DRL
Three Rivers Federal 34-25-720	34	070S	200E	<del> </del>	+	Federal	OW	DRL_
Three Rivers Federal 10-32-820	10	080S		4304753415		Federal	OW	DRL
Three Rivers Federal 10-31-820	10	080S	200E	4304753437		Federal	OW	DRL
Three Rivers 16-34-820	16	080S	200E	4304753472	19278	State	OW	DRL
Three Rivers 16-44-820	16	080S	200E	4304753473	19268	State	OW	DRL
Three Rivers 16-11-820	16	080S	200E	4304753474	19262	State	OW	DRL
Three Rivers 16-12-820	16	080S	200E	4304753475	19263	State	OW	DRL
Three Rivers 16-32-820	16	080S	200E	4304753494	19185	State	OW	DRL
Three Rivers 16-31-820	16	080S	200E	4304753495	19269	State	OW	DRL
Three Rivers 16-33-820	16	080S			19161		OW	DRL
THREE RIVERS FED 10-30-820	10	080S		· <del>[····</del>	-	Federal	OW	DRL
Three Rivers Federal 9-41-820	10	080S	_	4304753556	-		OW	DRL
Three Rivers Federal 33-13-720	33	070S				Federal	OW	DRL
Three Rivers Federal 33-12-720	33	070S		4304753724		Federal	OW	DRL
Three Rivers 32-3333-720	32	070S		4304753950	19251		ow	DRL
THREE RIVERS 36-11-720	36	070S		4304751915	18355	+	ow	P
THREE RIVERS 2-11-820	2	080S	-	4304751936	18354		OW	P
THREE RIVERS 34-31-720	34	070S		4304752012	18326		OW	P
THREE RIVERS 16-42-820	16	070S		4304752012	18682	· <del> </del> ···	OW	P
THREE RIVERS 16-43-820	16	080S		÷	18683		<del> </del>	
THREE RIVERS 16-43-820	16			4304752057	<del> </del>		OW	P
		080S		4304752110	18356	<del></del>	OW	P
THREE RIVERS 2-51-820	2	080S	200E		18941	1	OW	P
THREE RIVERS 2-13-820	2	080S	200E	4304752687	19014	<del> </del>	OW	P
THREE RIVERS 2-23-820	2	080S	200E	4304752688	19015	†	OW	P
THREE RIVERS 2-15-820	2	080S		4304752689	18770	<del></del>	OW	P
THREE RIVERS 36-31-720	36	070S	200E	4304752697	19086		OW	P
THREE RIVERS 32-25-720	32	070S	200E	4304752718	19033	<del> </del>	OW	P
THREE RIVERS 36-23-720	36	070S	200E	4304752733	18769	State	OW	P
THREE RIVERS 32-33-720	32	070S	200E	4304752734	19016	Fee	OW	P
THREE RIVERS 32-15-720	32	070S	200E	4304752736	18767	Fee	OW	P
THREE RIVERS 32-35-720	32	070S	200E	4304752737	18766	Fee	OW	P
THREE RIVERS FEDERAL 8-53-82	(8	080S	200E	4304752771	18992	Federal	OW	P
THREE RIVERS FEDERAL 3-53-82	(3	080S	200E	4304752820	19104	Federal	OW	P
THREE RIVERS FEDERAL 3-32-82	(3	080S	200E	4304752861	18942	Federal	OW	P
THREE RIVERS FEDERAL 5-56-82	(5	080S	200E	4304752862	18993	Federal	OW	P
THREE RIVERS FED 4-31-820	4	080S	200E	4304752874	19023	Federal	OW	P
THREE RIVERS 4-21-820	4	080S		+		Federal	OW	P
THREE RIVERS FED 34-23-720	34	070S				Federal	OW	P
THREE RIVERS FED 34-33-720	34	070S		1		Federal	OW	P
THREE RIVERS FED 10-41-820	10	080S		4304752948		+	OW	P
THREE RIVERS FED 34-15-720	34	070S		4304752965			OW	P
THREE RIVERS FED 35-32-720	35	070S		4304753005			OW	P
Three Rivers 16-23-820	16	080S		4304753231			OW	P
Three Rivers 16-24-820	16	080S		4304753231			ow	P
Three Rivers 2-33-820	2	080S						P
Three Rivers 4-33-820	4			4304753273			OW	ļ-
		0808		4304753528			OW	P
Three Rivers Federal 33-14-720	33	070S		4304753551			OW	P
Three Rivers Federal 4-32-820	4	080S		4304753552			OW	P
Three Rivers Federal 33-24-720	33	070S		4304753557			OW	P
Three Rivers 32-334-720	32	070S	-	4304753710			OW	P
Three Rivers 5-31-820	32	070S		4304753711			OW	P
Three Rivers Federal 33-11-720	32	070S		4304753733			OW	P
Three Rivers 32-32-720	32	070S		4304753734			OW	P
Three Rivers 32-333-720	32	070S	200E	4304753735	19088	Fee	OW	P



## Ultra Resources, Inc.

December 13, 2013

RECEIVED

DEC 1.6 2013

DIV. OF OIL, GAS & MINING

Division of Oil, Gas, and Mining 1594 West North Temple Salt Lake City, UT 84116 Attn: Rachel Medina

Re:

Transfer of Operator Three Rivers Project Area Uintah County, Utah

Dear Ms. Medina:

Pursuant to Purchase and Sale Agreement dated effective October 1, 2013 Ultra Resources, Inc. ("Ultra") assumed the operations of Axia Energy, LLC ("Axia") in the Three Rivers Area, Uintah County, Utah.

Accordingly, Ultra is submitting the following documents for your review and approval:

- 1) Request to Transfer Application or Permit to Drill for New, APD Approved & Drilled Wells
- 2) Request to Transfer Application or Permit to Drill APD Pending
- 3) Two Completed Sundry Notice and Reports on Wells Form 9 regarding Change of Operator executed by Ultra Resources, Inc. and Axia Energy, LLC
- 4) Statewide Surety Bond in the amount of \$120,000

As to all wells located on Fee Surface there are surface agreements in place. Ultra presently does not anticipate making any change in the drilling plans submitted by Axia.

Ultra has also submitted a Statewide Bond to the Bureau of Land Management. As soon as we receive the acknowledgement and approval by the BLM we will forward same to you for your files. A copy of our transfer letter and bond is attached for your reference.

Should you need any further information at this time, please call me direct at (303) 645-9865 or email <a href="msbalakas@ultrapetroleum.com">msbalakas@ultrapetroleum.com</a>.

zincerely,

Mary Sharon Balakas, CPL

Director of Land

cc: Cindy Turner, Axia Energy, LLC

STATE OF UTAH TMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  1. TYPE OF WELL	7. UNIT or CA AGREEMENT NAME:
OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: See Attached Well List
2. NAME OF OPERATOR: Ultra Resources, Inc. N4045	9. API NUMBER:
Ultra Resources, Inc. N4045  3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. 5(5) D. AND POOL OR MIL POAT
304 Inverness Way South CITY Englewood STATE CO ZIP 80112 (303) 645-9810	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached	соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: <b>UTAH</b>
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT. OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	THE OTHER BATTA
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  Approximate date work will start:  CASING REPAIR  CASING REPAIR  NEW CONSTRUCTION  NEW CONSTRUCTION  NEW CONSTRUCTION  NEW CONSTRUCTION  OPERATOR CHANGE  CHANGE TO PREVIOUS PLANS  CHANGE TUBING  PLUG AND ABANDON  PLUG BACK  CHANGE WELL NAME  CHANGE WELL STATUS  PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS  RECLAMATION OF WELL SITE  CONVERT WELL TYPE  RECOMPLETE - DIFFERENT FORMATION  12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume  EFFECTIVE DATE: October 1, 2013  FROM:  Axia Energy, LLC  1430 Larimer Street  Suite 400  Denver, CO 80202  Bond Number: Blanket Statewide UT State/Fee Bond LPM9046682  TO:	RECEIVED
Ultra Resources, Inc. 304 Inverness Way South Englewood, CO 80112 Bond Number:DCGM: 032040398  Ultra Resources, Inc. will be responsible under the terms and conditions of the leases/wells to leased lands.  NAME (PLEASE PRINT) Mary Sharon Balakas  TITLE Attorney in Fact  SIGNATURE Mary Phram Bulkes  DATE 12/11/1	DEC 1 6 2013  DIV. OF OIL, GAS & MINING  for the operations conducted on the
his space for State use only)	

JAN 16 2013

#### ATTACHMENT TO FORM 9 CHANGE OF OPERATOR

AXIA ENERGY TO ULTRA RESOURCE	CES EFFECTIVE 10-01-2013												
	Axia Well Name									State	Actual	Γ	Date
State Well Name	(for database sort		ļ	1			Mineral	Surface	Well	Well	Status @		Apprvd
List downloaded 12-10-13	and consistency)	Sec	TWN	RNG	API Number	Entity	Lease	Lease	Туре	Status	12/12/13	Submitted	DOGM
THREE RIVERS 2-11-820	Three Rivers 02-11-820	2	0805	200E	4304751936	18354	State	State	ow	Р	Р		
THREE RIVERS 2-13-820	Three Rivers 02-13-820		0805	200E	4304752687			State	ow	DRL	Р		08/27/1
THREE RIVERS 2-15-820	Three Rivers 02-15-820		0805	200E	4304752689	18770	State	State	ow	Р	Р		
Three Rivers 2-21-820	Three Rivers 02-21-820	_	0805	200E	4304753947	<u>'</u>	State	State	ow	APD	APRVD		10/15/1
Three Rivers 2-223-820	Three Rivers 02-223-820		0805	200E	4304753946		State	<u>State</u>	ow	APD	APRVD		10/15/1
Three Rivers 2-22-820	Three Rivers 02-22-820	-	0805	200E	4304753948		State	State	ow	APD	APRVD		10/15/1
THREE RIVERS 2-23-820	Three Rivers 02-23-820	2	0805	200E	4304752688	19015	State	State	ow	DRL	Р		08/27/1
Three Rivers 2-24-820	Three Rivers 02-24-820	2	0805	200E	4304753945		State	State	ow	APD	APRVD		10/15/1
THREE RIVERS 2-25-820	Three Rivers 02-25-820	2	0805	200E	4304752690		State	State	ow	APD	APRVD		08/27/1
Three Rivers 2-32-820	Three Rivers 02-32-820	2	0805	200E	4304753274		State	State	ow	APD	APRVD		12/11/1
Three Rivers 2-33-820	Three Rivers 02-33-820	2	0805	200E	4304753273	18943	State	State	ow	Р	Р	1 1 2 21	
THREE RIVERS 2-41-820	Three Rivers 02-41-820	2	0805	200E	4304752686	ļ .	State	State	ow	APD	APRVD	1 2 2 3	08/27/1
THREE RIVERS 2-51-820	Three Rivers 02-51-820	2	0805	200E	4304752685	18941	State	State	ow	P	Р	1	
Three Rivers 4-13-820	Three Rivers 04-13-820	5	0805	200€	4304753956		Fee	Federal	ow	APD	PERPEND	08/19/13	
THREE RIVERS 4-14-820	Three Rivers 04-14-820	5	0805	200E	4304752863	19183	Fee	Federal	ow	DRL	Р		
Three Rivers 4-33-820	Three Rivers 04-33-820	4	0805	200E	4304753528	19167	Fee	Fee	ow	DRL	Р		
Three Rivers 5-31-820	Three Rivers 05-31-820	32	0705	200E	4304753711	19068	Fee	Fee	ow	DRL	Р	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
Three Rivers 7-12-821	Three Rivers 07-12-821	7	0805	210E	4304753562		Fee	Fee	ow	APD	PERPEND	04/15/13	
Three Rivers 7-21-821	Three Rivers 07-21-821	$\rightarrow$	0805	210E	4304753560		Fee	Fee	ow	APD	PERPEND	04/15/13	
Three Rivers 7-22-821	Three Rivers 07-22-821	$\overline{}$	080S	210E	4304753561		Fee	Fee	ow	APD	PERPEND	04/15/13	
Three Rivers 7-23-821	Three Rivers 07-23-821	+	0805	210E	4304753559		Fee	Fee	ow	APD	PERPEND	04/15/13	1 1 1
Three Rivers 7-34-821	Three Rivers 07-34-821	-	080S	210E	4304753558	_	Fee	Fee	ow	APD	PERPEND	04/15/13	
Three Rivers 16-11-820	Three Rivers 16-11-820	-	0805	200E	4304753474			State	ow	DRL	SCS	3 1/13/13	03/12/13
Three Rivers 16-12-820	Three Rivers 16-12-820		0805	200E	4304753475			State	_	DRL	scs		03/12/13
Three Rivers 16-21-820	Three Rivers 16-21-820			200E	4304753229			State	ow	DRL	P		12/11/12
Three Rivers 16-22-820	Three Rivers 16-22-820			200E	4304753230			State	ow	DRL	P	100	12/11/12
Three Rivers 16-23-820	Three Rivers 16-23-820			200E	4304753231			State	_	DRL	P		12/11/12
Three Rivers 16-24-820	Three Rivers 16-24-820	_	$\overline{}$	200E	4304753232			State	<del>-</del>	P	P	***	12/11/12
Three Rivers 16-31-820	Three Rivers 16-31-820			200E	4304753495		State	State		APD	ccs		02/42/42
Three Rivers 16-32-820	Three Rivers 16-32-820	_		200E	4304753494								03/12/13
Three Rivers 16-33-820	Three Rivers 16-33-820		_	200E	4304753494			State	-	DRL	woc		03/12/13
Three Rivers 16-34-820	Three Rivers 16-34-820		0805	200E	4304753496			State		DRL	WOC		03/12/13
THREE RIVERS 16-41-820	Three Rivers 16-41-820	_	-	200E	4304753472		State	State		APD	CCS		03/12/13
THREE RIVERS 16-42-820	Three Rivers 16-42-820	$\overline{}$		200E		ightharpoonup		State		P	P		
THREE RIVERS 16-43-820	Three Rivers 16-43-820	_			4304752056			State	ow	Ρ	P		
Three Rivers 16-44-820	Three Rivers 16-44-820			200E	4304752057			State		P	P		1 1 1 1
Three Rivers 18-21-821		+	_	200E	4304753473		State	State	-	APD	CCS		03/12/13
Three Rivers 18-22-821	Three Rivers 18-21-821	+	_	210E	4304753276			Fee		APD	PERPEND	12/17/12	
Three Rivers 18-31-821	Three Rivers 18-22-821			210E	4304753620		Fee	Fee			PERPEND	04/15/13	and the second
Three Rivers 18-32-821	Three Rivers 18-31-821		_	210E	4304753277		Fee	Fee			PERPEND	12/19/12	
Three Rivers 27-34-720	Three Rivers 18-32-821		_	210E	4304753621			Fee			PERPEND	04/15/13	1997 5 984
	Three Rivers 27-34-720		$\overline{}$	200E	4304753278			Fee			PERPEND	12/19/12	
THREE RIVERS 32-15-720	Three Rivers 32-15-720	-		200E	4304752736			Fee		Р	Р	14 miles	586, 75, 4
THREE RIVERS 32-25-720	Three Rivers 32-25-720			200E	4304752718			Fee			Р	1000	1 4 4 1 2 1
Three Rivers 32-32-720	Three Rivers 32-32-720			200E	4304753734	$\rightarrow$			_	DRL	Р	100 to 100 to	06/12/13
Three Rivers 32-3333-720	Three Rivers 32-3333-720	-		200E	4304753950			Fee	ow	DRL	SCS	117 to 14 1	10/15/13
Three Rivers 32-333-720	Three Rivers 32-333-720			200E	4304753735			Fee			Р	Thosa Millia	06/12/13
Three Rivers 32-334-720	Three Rivers 32-334-720			200E	4304753710			Fee	ow	DRL	Р	1	05/22/13
THREE RIVERS 32-33-720	Three Rivers 32-33-720				4304752734			Fee	ow	DRL	P		08/29/12
	Three Rivers 32-34-720		070S	_	4304752735			Fee	ow	DRL	DRLG		08/29/12
THREE RIVERS 32-35-720	Three Rivers 32-35-720		-		4304752737	18766	Fee	Fee	ow	Р	P		144 May 1
Three Rivers 32-42-720	Three Rivers 32-42-720		070S		4304753949			Fee	ow	APD .	APRVD	4 4 4 4 1	10/15/13
THREE RIVERS 34-31-720	Three Rivers 34-31-720		$\overline{}$		4304752012	18326	Fee ]	Fee	ow	Р	Ρ	7 - 1 N. J. A.	2.20
Three Rivers 34-31T-720	Three Rivers 34-31T-720	_		-	4304753281			Fee	ow .	APD .	APRVD	en view in the said	12/11/12
THREE RIVERS 36-11-720	Three Rivers 36-11-720	-			4304751915	18355	State	State	ow	Р	Ρ	uni ya taraya	100
THREE RIVERS 36-13-720	Three Rivers 36-13-720	-		$\overline{}$	4304752699		State	State	ow ,	APD ,	APRVD	The second	08/29/12
THREE RIVERS 36-21-720	Three Rivers 36-21-720	360	70S	200E	4304752698	- 19	State :	State	ow /	APD /	APRVD	15	08/29/12
HREE RIVERS 36-23-720	Three Rivers 36-23-720	360	705	200E	4304752733	18769	State	State	ow	P	Р	3. 3. 3. 3.	
THREE RIVERS 36-31-720	Three Rivers 36-31-720	360	70S		4304752697				$\overline{}$	DRL I	P	4/2 4	08/29/12
	Three Rivers D	160	80S 2	200E	4304753702						APRVD		07/15/13
HREE RIVERS FED 3-11-820	Three Rivers Fed 03-11-820	34 0	70S 2		4304752950	19184					woc		02/22/13
	Three Rivers Fed 03-12-820		$\overline{}$		4304753914						APRVD		08/01/13
	Three Rivers Fed 03-13-820	-	<del></del> -		4304753951	$\overline{}$					PERPEND	08/12/13	20/01/13
	Three Rivers Fed 03-14-820	_			4304753952	_			$\rightarrow$		PERPEND	08/12/13	
	Three Rivers Fed 03-23-820	-		_	4304753953						PERPEND	08/12/13	<u> </u>
	Three Rivers Fed 03-24-820				4304753954						PERPEND	08/12/13	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
hree Rivers Federal 3-24-820				_							LAPEIND		
	Three Rivers Fed 03-32-820	ำสูไก	1805 17	OUF	43047578611	1894710	-enersi "		חוא יו				
HREE RIVERS FEDERAL 3-32-820	Three Rivers Fed 03-32-820 Three Rivers Fed 03-33-820	$\overline{}$		$\overline{}$	4304752861					, le	\ap\/n		12/24/45
HREE RIVERS FEDERAL 3-32-820 HREE RIVERS FEDERAL 3-33-820	Three Rivers Fed 03-32-820 Three Rivers Fed 03-33-820 Three Rivers Fed 03-53-820	3 0	80S 2	00E	4304752861 4304752864 4304752820	F	ederal i	Federal	ow /		APRVD		12/24/12 12/24/12

Page 1 of 2 12/11/2013 2:02 PM

#### ATTACHMENT TO FORM 9 CHANGE OF OPERATOR

AXIA ENERGY TO ULTRA RESOURCE	ES EFFECTIVE 10-01-2013												
	Axia Well Name	7			l i	T			T	State	Actual		Date
State Well Name	(for database sort		•				Mineral	Surface	Well	Well	Status @		Apprvd
List downloaded 12-10-13	and consistency)	Sec	TWN	RNG	API Number	Entity	Lease	Lease	Туре	Status	12/12/13	Submitted	DOGM
THREE RIVERS 4-21-820	Three Rivers Fed 04-21-820	4	0805	200E	4304752875	19048	Federal	Fee	ow	DRL	р		02/22/13
THREE RIVERS FED 4-31-820	Three Rivers Fed 04-31-820	4	0805	200E	4304752874	<del></del>	Federal	Fee	low	DRL	Ρ	<del> </del>	02/22/13
Three Rivers Federal 4-32-820	Three Rivers Fed 04-32-820	4	0805	200E	4304753552	19168	Federal	Fee	ow	DRL	P		08/26/13
Three Rivers Federal 4-41-820	Three Rivers Fed 04-41-820	4	080\$	200E	4304753911		Federal	Federal	ow	APD	APRVD		08/01/13
Three Rivers Federal 4-42-820	Three Rivers Fed 04-42-820	4	0805	200E	4304753913		Federal	Federal	ow	APD	APRVD		08/01/13
Three Rivers Federal 5-11-820	Three Rivers Fed 05-11-820	_	0805	200E	4304754204	_	Federal	Federal	ow	NEW	PERPEND	12/03/13	
Three Rivers Federal 5-21-820	Three Rivers Fed 05-21-820	5	0805	200E	4304754205		Federal	Federal	ow	NEW	PERPEND	12/03/13	
Three Rivers Federal 5-42-820	Three Rivers Fed 05-42-820	5	0805	200E	4304753958		Federal	Federal	ow	APD	PERPEND	08/19/13	
Three Rivers Federal 5-43-820	Three Rivers Fed 05-43-820	_	0805	200E	4304753957		Federal	Federal	ow	APD	PERPEND	08/19/13	
THREE RIVERS FEDERAL 5-56-820	Three Rivers Fed 05-56-820	5	080S	200E	4304752862	18993	<del></del>	Federal	ow	P	P	00/13/13/	
THREE RIVERS FEDERAL 8-52-820	Three Rivers Fed 08-52-820	8	080S	200E	4304752770			Federal	ow	DRL	P		02/22/13
THREE RIVERS FEDERAL 8-53-820	Three Rivers Fed 08-53-820	8	080S	200E	4304752771		Federal	Federal	ow	P	P		- OZ/ZZ/13
Three Rivers Federal 9-41-820	Three Rivers Fed 09-41-820	1 -	0805	200E	4304753556		Federal	Federal	ow	DRL	P		08/20/13
THREE RIVERS FED 10-30-820	Three Rivers Fed 10-30-820	_	0805	200E	4304753555			Federal	ow	DRL	P		08/20/13
Three Rivers Federal 10-31-820	Three Rivers Fed 10-31-820		0805	200E	4304753437	13103	Federal	Federal	ow	APD	ccs		08/21/13
Three Rivers Federal 10-32-820	Three Rivers Fed 10-32-820		0805	200E	4304753415	-	Federal	Federal	ow	APD	ccs		08/21/13
THREE RIVERS FED 10-41-820	Three Rivers Fed 10-41-820		0805	200E	4304752948	19137		Federal		DRL	P		02/22/13
THREE RIVERS FED 10-42-820	Three Rivers Fed 10-42-820	_	0805	200E	4304752949	13137	Federal	Federal	ow	APD	APRVD		02/22/13
Three Rivers Federal 33-11-720	Three Rivers Fed 33-11-720	_	070S	200E	4304753733	19109		Fee	ow	DRL	P		07/17/13
Three Rivers Federal 33-12-720	Three Rivers Fed 33-12-720	_	070S	200E	4304753724			Fee		DRL	woc		09/16/13
Three Rivers Federal 33-13-720	Three Rivers Fed 33-13-720		0705	200E	4304753723		Federal			DRL	woc		09/16/13
Three Rivers Federal 33-14-720	Three Rivers Fed 33-14-720	-	070S	200E	4304753551					DRL	P		09/16/13
Three Rivers Federal 33-24-720	Three Rivers Fed 33-24-720	-	070S	200E	4304753557	$\overline{}$	Federal	-		DRL	P		07/09/13
THREE RIVERS FED 34-15-720	Three Rivers Fed 34-15-720		070S	200E	4304752965					P	P	2,787	07/03/13
THREE RIVERS FED 34-23-720	Three Rivers Fed 34-23-720	_	0705	200E	4304752945		Federal			DRL	P		02/12/13
Three Rivers Federal 34-25-720	Three Rivers Fed 34-25-720	_	0705	200E	4304753283				_	APD	APRVD	3 3 3 3 3	
THREE RIVERS FED 34-33-720	Three Rivers Fed 34-33-720	-	0705	200E	4304752947					DRL	P	9 N 9 N 19 N 19	06/10/13
Three Rivers Federal 34-35-720	Three Rivers Fed 34-35-720	-	0705	200E	4304753282					APD	APRVD		02/22/13
Three Rivers Federal 34-42-720	Three Rivers Fed 34-42-720			200E	4304753915		Federal		• • •	APD	APRVD		06/10/13
Three Rivers Federal 34-43-720	Three Rivers Fed 34-43-720			200E	4304753916		Federal				APRVD		08/01/13
Three Rivers Federal 35-11-720	Three Rivers Fed 35-11-720	_		200E	4304753916					APD		07/25/42	08/01/13
Three Rivers Federal 35-12-720	Three Rivers Fed 35-12-720	_		200E	4304753944		Federal Federal		$\overline{}$	APD	PERPEND	07/25/13	20/04/42
Three Rivers Federal 35-13-720	Three Rivers Fed 35-13-720		_	200E	4304753554						APRVD		08/01/13
Three Rivers Federal 35-14-720	Three Rivers Fed 35-14-720			200E	4304753553		Federal	-		APD	APRVD		08/20/13
Three Rivers Federal 35-21-720	Three Rivers Fed 35-21-720		$\overline{}$	200E			Federal			APD	APRVD		08/22/13
THREE RIVERS FED 35-32-720	Three Rivers Fed 35-32-720	$\longrightarrow$		200E	4304753943		Federal			APD	PERPEND	07/25/13	
THREE RIVERS FED 35-32-720	Three Rivers Fed 35-34-720	-			4304753005						APRVD		02/22/13
THREE RIVERS FED 35-42-720		_		200E	4304753006						APRVD		02/22/13
Three Rivers Federal 35-43-720	Three Rivers Fed 35-42-720	-		200E	4304753007			<u> </u>			APRVD		02/22/13
Three Rivers Federal 35-43-720	Three Rivers Fed 35-43-720			200E	4304753918				$\longrightarrow$		APRVD		08/01/13
THREE RIVERS FED 35-44-720	Three Rivers Fed 35-442-720		_	200E	4304753919				$\overline{}$		APRVD		08/01/13
Three Rivers Fed 03-34-820	Three Rivers Fed 35-44-720		_	200E	4304753008		Federal	Federal			APRVD		02/22/13
<u> </u>	Three Rivers Fed 03-34-820		$\rightarrow$	200E			Federal				SUB	12/10/13	
Three Rivers Fed 03-44-820	Three Rivers Fed 03-44-820		$\rightarrow$	200E			Federal		<del></del> +		SUB	12/10/13	
Three Rivers Fed 08-31-820	Three Rivers Fed 08-31-820	-		200E			Federal				SUB	12/07/13	
Three Rivers Fed 08-41-820	Three Rivers Fed 08-41-820	9[0	080S	200E			Federal			NA	SUB	12/07/13	

Page 2 of 2 12/11/2013 2:02 PM

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OU. CAS AND MINING

	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List		
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill drill horizonta	new wells, significantly deepen existing wells below cur laterals. Use APPLICATION FOR PERMIT TO DRILL f	rrent bottom-hole depth, reenter plugged wells, or to form for such proposals.	7. UNIT or CA AGREEMENT NAME:
TYPE OF WELL  OIL WELI	GAS WELL OTHER_		8. WELL NAME and NUMBER: See Attached Well List
2. NAME OF OPERATOR: Axia Energy, LLC	<del></del>		9. API NUMBER:
3. ADDRESS OF OPERATOR: 1430 Larimer Street, Ste 400 C	TY Denver STATE CO ZIP	PHONE NUMBER: (720) 746-5200	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL.  FOOTAGES AT SURFACE: See /			
			соимту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN:		STATE: UTAH
11. CHECK APP	PROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  10/1/2013	ACIDIZE  ALTER CASING  CASING REPAIR  CHANGE TO PREVIOUS PLANS	DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE	REPERFORATE CURRENT FORMATION  SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON  TUBING REPAIR
SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:	CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE	PLUG AND ABANDON  PLUG BACK  PRODUCTION (START/RESUME)  RECLAMATION OF WELL SITE  RECOMPLETE - DIFFERENT FORMATION	WATER DISPOSAL WATER SHUT-OFF OTHER:
EFFECTIVE DATE: Octo FROM: Axia Energy, LLC 1430 Larimer Street Suite 400 Denver, CO 80202 Bond Number: Blanket St TO: Ultra Resources, Inc. 304 Inverness Way South Englewood, CO 80112 Bond Number:	catewide UT State/Fee Bond LPM	19046682	DEC 1 6 2013  DIV. OF OIL, GAS & MINING  for the operations conducted on the
NAME (PLEASE PRINT) Daniel G.	Blanchard	TITLE President	
SIGNATURE	Hanchard	DATE <u>1211/13</u>	
This space for State use only)		AP	

APPROVED

JAN 16 2013

## ATTACHMENT TO FORM 9 CHANGE OF OPERATOR AXIA ENERGY TO ULTRA RESOURCES EFFECTIVE 10-01-2013

AXIA ENERGY TO ULTRA RESOURCE	CES EFFECTIVE 10-01-2013												
	Axia Well Name	T		T					T	State	Actual		Date
State Well Name	(for database sort	ł				1	Mineral	Surface	Well	Well	Status @		Apprvd
List downloaded 12-10-13	and consistency)		TWN	-		Entity	<del></del>	Lease	Type	+	12/12/13	Submitted	DOGM
THREE RIVERS 2-11-820 THREE RIVERS 2-13-820	Three Rivers 02-11-820 Three Rivers 02-13-820	<del></del>	0805	200E	4304751936		+	State	ow	P	IP	1	
THREE RIVERS 2-15-820	Three Rivers 02-13-820 Three Rivers 02-15-820	+	0805	200E	4304752687 4304752689		+	State	low	DRL	Ρ	3	08/27/17
Three Rivers 2-21-820	Three Rivers 02-21-820		0805	200E	4304753947	18//0	State	State State	low	APD	APRVD	3	10/15/1
Three Rivers 2-223-820	Three Rivers 02-223-820		0805	200E	4304753946		State	State	ow	APD	APRVD	4	10/15/13
Three Rivers 2-22-820	Three Rivers 02-22-820		0805	200E	4304753948		State	State	ow	APD	APRVD		10/15/13
THREE RIVERS 2-23-820	Three Rivers 02-23-820	-+	0805	200E	4304752688	<del></del>		State	ow	DRL	P		08/27/12
Three Rivers 2-24-820	Three Rivers 02-24-820	_	0805	200E	4304753945		State	State	ow	APD	APRVD	8	10/15/13
THREE RIVERS 2-25-820	Three Rivers 02-25-820	2	0805	200E	4304752690		State	State	ow	APD	APRVD	6)	08/27/12
Three Rivers 2-32-820	Three Rivers 02-32-820	2	0805	200E	4304753274		State	State	ow	APD	APRVD	10	12/11/12
Three Rivers 2-33-820	Three Rivers 02-33-820	2	080S	200E	4304753273	18943	State	State	ow	Р	Р	i	
THREE RIVERS 2-41-820	Three Rivers 02-41-820	2	080S	200E	4304752686		State	State	ow	APD	APRVD	2	08/27/12
THREE RIVERS 2-51-820	Three Rivers 02-51-820	2	0805	200E	4304752685	18941	State	State	ow	Р	Р	3	
Three Rivers 4-13-820	Three Rivers 04-13-820		080S	200E	4304753956		Fee	Federal	ow	APD	PERPEND	08/19/13	1.0
THREE RIVERS 4-14-820	Three Rivers 04-14-820		0805	200E	4304752863			Federal	ow	DRL	Р	8	
Three Rivers 4-33-820	Three Rivers 04-33-820	$\overline{}$	0805	200E	4304753528			Fee	ow	DRL	Р	۵	
Three Rivers 5-31-820	Three Rivers 05-31-820		0705	200E	4304753711	19068		Fee	low	DRL	Р		
Three Rivers 7-12-821 Three Rivers 7-21-821	Three Rivers 07-12-821		0805	210E	4304753562	<b></b>	Fee	Fee	OW	APD	PERPEND	04/15/13	~
Three Rivers 7-21-821	Three Rivers 07-21-821	_	0805	210E	4304753560		Fee	Fee	OW	APD	PERPEND	04/15/13	
Three Rivers 7-23-821	Three Rivers 07-22-821 Three Rivers 07-23-821	$\overline{}$	080S 080S	210E 210E	4304753561		Fee	Fee	OW	APD	PERPEND	04/15/13	
Three Rivers 7-34-821	Three Rivers 07-23-821 Three Rivers 07-34-821	_	0805	210E	4304753559 4304753558		Fee Fee	Fee Fee	ow	APD APD	PERPEND PERPEND	04/15/13	<u>, 7</u>
Three Rivers 16-11-820	Three Rivers 16-11-820	_	0805	200E	4304753474			State	low	DRL	SCS	04/15/13	
Three Rivers 16-12-820	Three Rivers 16-12-820	_	0805	200E	4304753475			State	low	DRL	scs	3 14	03/12/13 03/12/13
Three Rivers 16-21-820	Three Rivers 16-21-820	_	0805	200E	4304753229			State	low	DRL	p	5	12/11/12
Three Rivers 16-22-820	Three Rivers 16-22-820	_	0805	200E	4304753230			State	ow	DRL	P	4	12/11/12
Three Rivers 16-23-820	Three Rivers 16-23-820	_	0805	200E	4304753231			State	_	DRL	P	7	12/11/12
Three Rivers 16-24-820	Three Rivers 16-24-820	_	080S	200E	4304753232	_		State	ow	P	Р	8	1-, 11, 12
Three Rivers 16-31-820	Three Rivers 16-31-820	16	080S	200E	4304753495		State	State	ow	APD	ccs	á	03/12/13
Three Rivers 16-32-820	Three Rivers 16-32-820	16	0805	200E	4304753494	19185	State	State	OW	DRL	woc	30	03/12/13
Three Rivers 16-33-820	Three Rivers 16-33-820	16	080S	200E	4304753496	19161	State	State	ow	DRL	woc	1	03/12/13
Three Rivers 16-34-820	Three Rivers 16-34-820	16	0805	200E	4304753472		State	State	ow	APD	CCS	2	03/12/13
THREE RIVERS 16-41-820	Three Rivers 16-41-820	+		200E	4304752110			State	ow	Р	Р	3	
THREE RIVERS 16-42-820	Three Rivers 16-42-820	+ -	080S	200E	4304752056			State	ow	Р	Р	4	12 325
THREE RIVERS 16-43-820	Three Rivers 16-43-820	_		200E	4304752057			State	_	Р	Р	- 5	
Three Rivers 16-44-820	Three Rivers 16-44-820	+ +	0805	200E	4304753473	-	State	State		APD	ccs	6	03/12/13
Three Rivers 18-21-821 Three Rivers 18-22-821	Three Rivers 18-21-821	+	0805	210E	4304753276		Fee	Fee		APD	PERPEND	12/17/12	<u> </u>
Three Rivers 18-31-821	Three Rivers 18-22-821 Three Rivers 18-31-821		080S 080S	210E 210E	4304753620			Fee	_	_	PERPEND	04/15/13	<u> </u>
Three Rivers 18-32-821	Three Rivers 18-32-821		0805	210E	4304753277 4304753621			Fee		APD	PERPEND	12/19/12	9
Three Rivers 27-34-720	Three Rivers 27-34-720	+	070S	200E	4304753278			Fee Fee		APD APD	PERPEND PERPEND	04/15/13	40_
THREE RIVERS 32-15-720	Three Rivers 32-15-720	+	070S	200E	4304752736			Fee			PERPEND	12/19/12	1
THREE RIVERS 32-25-720	Three Rivers 32-25-720	+		200E	4304752718		$\overline{}$	Fee			P	<del>-                                      </del>	
Three Rivers 32-32-720	Three Rivers 32-32-720	-	_	200E	4304753734			Fee	_	·	P	- 3	06/12/13
Three Rivers 32-3333-720	Three Rivers 32-3333-720	-		200E	4304753950			Fee			scs	4	10/15/13
Three Rivers 32-333-720	Three Rivers 32-333-720	32	070S	200E	4304753735	19088	Fee	Fee			Р	4	06/12/13
Three Rivers 32-334-720	Three Rivers 32-334-720	32	0705	200E	4304753710			Fee	ow	DRL	Ρ	7	05/22/13
THREE RIVERS 32-33-720	Three Rivers 32-33-720	32	070S	200E	4304752734	19016	Fee	Fee	ow	DRL	Р	8	08/29/12
	Three Rivers 32-34-720		070S	200E	4304752735	19249	Fee	Fee	ow	DRL	DRLG	9	08/29/12
THREE RIVERS 32-35-720	Three Rivers 32-35-720	+ ++		200E	4304752737	18766	Fee			Р	Р	30	
Three Rivers 32-42-720	Three Rivers 32-42-720			200E	4304753949						APRVD	1	10/15/13
THREE RIVERS 34-31-720	Three Rivers 34-31-720			200E	4304752012	_				Р	Р .	2	91.54.254
Three Rivers 34-31T-720 THREE RIVERS 36-11-720	Three Rivers 34-31T-720			200E	4304753281						APRVD	3	12/11/12
THREE RIVERS 36-13-720	Three Rivers 36-11-720			200E	4304751915					·	P		
THREE RIVERS 36-21-720	Three Rivers 36-13-720 Three Rivers 36-21-720		_	200E	4304752699 4304752698			-			APRVD	5	08/29/12
THREE RIVERS 36-23-720	Three Rivers 36-23-720			200E	4304752733				ow .	APD	APRVD	6	08/29/12
THREE RIVERS 36-31-720	Three Rivers 36-31-720	-		200E	4304752697					DRL	P	7	00/20/12
Three Rivers D	Three Rivers D	-			4304753702						APRVD	8	08/29/12 07/15/13
	Three Rivers Fed 03-11-820				4304752950						WOC	40	02/22/13
	Three Rivers Fed 03-12-820	<del></del>			4304753914				_		APRVD		08/01/13
	Three Rivers Fed 03-13-820			_	4304753951						PERPEND	08/12/13	2
	Three Rivers Fed 03-14-820	-			4304753952				-		PERPEND	08/12/13	3
	Three Rivers Fed 03-23-820	-			4304753953				-	$\overline{}$	PERPEND	08/12/13	
Three Rivers Federal 3-24-820	Three Rivers Fed 03-24-820	3 (	080S	$\overline{}$	4304753954						PERPEND	08/12/13	4 5
					4204752554	10043				,	-		6
THREE RIVERS FEDERAL 3-32-820	Three Rivers Fed 03-32-820	3 0	2080	200E	4304752861	1894211	egerai ji	Federal	ow I				<i>60</i> 7 1
THREE RIVERS FEDERAL 3-32-820 THREE RIVERS FEDERAL 3-33-820	Three Rivers Fed 03-33-820	3 (	080S	200E	4304752864		ederal i				APRVD	7	12/24/12
THREE RIVERS FEDERAL 3-32-820 THREE RIVERS FEDERAL 3-33-820 THREE RIVERS FEDERAL 3-53-820		3 (	080S 080S	200E 200E		19104 F	ederal I	Federal	ow /		APRVD		

LIST GOWNGORDE 12-10-13  and Consistency)  The Rewers Fed 4-21-820  Three Rivers Fed 4-31-820  Three Rivers Fed 5-31-820  Three Rivers Fed 4-31-820  Three Rivers Fed 5-31-820  Three Rivers Fed 6-31-82-820  Three Rivers Fed 5-31-820  Three Rivers Fed 5-31-820  Three Rivers Fed 5-31-820  Three Rivers Fed 6-31-82-820  Three Rivers Fed 10-31-820  Three Rivers Fed 10-3	ATTACHMENT TO FORM 9 CHANG	SE OF OPERATOR												
State Well Name   Growth of Committed   State Well   Statut @   Approximation   State Well   Statut @   Approximation   Statut @   Approximation   Statut @   Approximation   Approximation   Statut @   Approximation   App	AXIA ENERGY TO ULTRA RESOURCE	ES EFFECTIVE 10-01-2013												
List downloaded 12-10-13		Axia Well Name									State	Actual		Date
LIST GOWNGORDE 12-10-13  and Consistency)  The Rewers Fed 4-21-820  Three Rivers Fed 4-31-820  Three Rivers Fed 5-31-820  Three Rivers Fed 4-31-820  Three Rivers Fed 5-31-820  Three Rivers Fed 6-31-82-820  Three Rivers Fed 5-31-820  Three Rivers Fed 5-31-820  Three Rivers Fed 5-31-820  Three Rivers Fed 6-31-82-820  Three Rivers Fed 10-31-820  Three Rivers Fed 10-3	State Well Name	(for database sort		l		[		Mineral	Surface	Well	Well	Status @		Apprvd
FineEr Birkers 6-21-820	List downloaded 12-10-13	and consistency)	Sec	TWN	RNG	API Number	Entity	Lease	Lease	Type	Status	12/12/13	Submitted	DOGM
THREE RIVERS FED 4-31-820	THREE RIVERS 4-21-820		4	0805	200E	4304752875	19048	Federal	Fee		DRL	Р		02/22/1
Three Rivers Federal 4-13-22.0   Three Rivers Fed 04-13-22.0   4   0805   200E   4304753501   19168   Federal   Federal   0W   APN   APRIVD   3   08010	THREE RIVERS FED 4-31-820	Three Rivers Fed 04-31-820	4	0805	200E	4304752874	19023	Federal	Fee	ow	DRL	Р		02/22/1
Three Rivers Federal 4.4-8.20   Three Rivers Fed 04-4.9.20   4   0.005   0.00E   4304753913   Federal   Federal   GW   APD   APRVD   1   0.08/01/	Three Rivers Federal 4-32-820	Three Rivers Fed 04-32-820	4	0805	200E	4304753552	19168	Federal	Fee	ow	DRL	Р	2	08/26/1
Three Rivers Federal 4-12-820	Three Rivers Federal 4-41-820		4	0805	200E		1			ow		APRVD	7	08/01/1
Three Rivers Federal 5-11-820	Three Rivers Federal 4-42-820	Three Rivers Fed 04-42-820	4	0805	200E							<del>+</del>	11	08/01/1
Three Rivers Federal 5-14-200   Three Rivers Fed 05-12-820   5   5005   2006   4304753955   Federal Federal   OW   APD   PERPEND   08/19/13   Three Rivers Federal 5-43-820   Three Rivers Fed 05-43-820   5   8005   2006   4304753957   Federal Federal   OW   APD   PERPEND   08/19/13   THREE RIVERS FEDRAL 5-58-820   Three Rivers Fed 05-54-820   5   8005   2006   4304753957   Federal Federal   OW   APD   PERPEND   08/19/13   THREE RIVERS FEDRAL 5-58-820   Three Rivers Fed 05-54-820   5   8005   2006   4304753957   Federal Federal   OW   APD   PERPEND   08/19/13   PERPEND	Three Rivers Federal 5-11-820	Three Rivers Fed 05-11-820	5	0805	200E		1	<del></del>		ow		<del></del>	12/03/13	5
Three Rivers Federal 5-42-820	Three Rivers Federal 5-21-820	Three Rivers Fed 05-21-820	5	0805	200E				<del></del>			+		la
Three Rivers Federal 3-3-820	Three Rivers Federal 5-42-820	*	+		200E	4304753958			· · · · · · · · · · · · · · · · · · ·	ow		<del></del>		7
THREE RIVERS FEDERAL 8-5-5-820	Three Rivers Federal 5-43-820	Three Rivers Fed 05-43-820	5	0805	200E							<del>, </del>		6
THREE RIVERS FEDERAL 8-52-820 Three Rivers Fed 08-53-820	THREE RIVERS FEDERAL 5-56-820	Three Rivers Fed 05-56-820	5	0805	200E	4304752862	18993		<del></del>	ow	Р			
THREE RIVERS FED 184.8-33-820	THREE RIVERS FEDERAL 8-52-820	Three Rivers Fed 08-52-820	8	0805	200E		<del> </del>	<del>                                     </del>	<del></del>	<u> </u>	DRL	P		02/22/1
Three Rivers Federal 9-41-820	THREE RIVERS FEDERAL 8-53-820				_		<del></del>	<del></del>	<del></del>	_			1	02,22,1
THREE RIVERS FED 10-30-820  Three Rivers Fed 10-31-820  Three Rivers Fed 10-41-820  Three Rivers Fed 31-11-720  Th	Three Rivers Federal 9-41-820	Three Rivers Fed 09-41-820	10	0805	200E				<del></del>	_	DRL	P	<b>5</b>	08/20/1
Three Rivers Federal 10-31-820	THREE RIVERS FED 10-30-820	Three Rivers Fed 10-30-820	10	0805	_				<del></del>					08/20/1
Three Rivers Federal 10-32-820	Three Rivers Federal 10-31-820		10	0805	200E				<del></del>	-		CCS	-	
THREE RIVERS FED 10-42-820 Three Rivers Fed 10-41-820 Three Rivers Fed 10-42-820 Three Rivers Fed 31-17-720 Three Rivers Fed 31-1	Three Rivers Federal 10-32-820	Three Rivers Fed 10-32-820	10	080\$	200E	4304753415		Federal	<del></del>	ow		<del></del>	7	
THREE RIVERS FED 10-42-820 Three Rivers Fed 10-42-820 Three Rivers Federal 33-11-720 Three Rivers Federal 33-11-720 Three Rivers Federal 33-11-720 Three Rivers Federal 33-12-720 Three Rivers Federal 33-12-720 Three Rivers Federal 33-12-720 Three Rivers Federal 33-12-720 Three Rivers Federal 33-13-720 Three Rivers Federal 33-14-720 Three Rivers Fed 33-14-720 Three Rivers Fed 33-14-720 Three Rivers Fed 34-15-720 Three Rivers Federal 34-15-720 Three Rivers Fed 34-15-720 Three Rivers Fed 34-15-720 Three Rivers Federal 34-15-720 Three Rivers Fed 34-15-720 Three Rivers Federal 34-15-720 Three Rivers Federal 34-15-720 Three Rivers Federal 34-15-720 Three Rivers Federal 34-15-720 Three Rivers Federal 34-15-720 Three Rivers Federal 34-15-720 Three Rivers Federal 35-12-720 Three Rivers Federal 35-12	THREE RIVERS FED 10-41-820	Three Rivers Fed 10-41-820	10	0805	200E	4304752948	19137	Federal	Federal	OW	DRL	P	6	
Three Rivers Federal 33-11-720	THREE RIVERS FED 10-42-820	Three Rivers Fed 10-42-820	10	080\$	200E				<del></del>	ow	APD	APRVD	<u> </u>	
Three Rivers Federal 33-12-720	Three Rivers Federal 33-11-720	Three Rivers Fed 33-11-720	32	0705	200E		19109						•	
Three Rivers Federal 33-13-720	Three Rivers Federal 33-12-720	Three Rivers Fed 33-12-720	33	0705	200E				Fee			WOC	6	
Three Rivers Federal 33-14-720 Three Rivers Fed 33-14-720 33 0705 200E 4304753551 19107 Federal Fee OW DRL P 07/09/ Three Rivers Fed 33-24-720 Three Rivers Fed 33-24-720 34 0705 200E 4304753557 19108 Federal Fee OW DRL P 07/09/ THREE RIVERS FED 34-15-720 Three Rivers Fed 34-23-720 34 0705 200E 4304752955 18960 Federal Fee OW DRL P 02/12/ Three Rivers Fed 34-23-720 Three Rivers Fed 34-23-720 34 0705 200E 4304752945 19049 Federal Fee OW DRL P 02/12/ Three Rivers Federal 34-25-720 Three Rivers Fed 34-23-720 34 0705 200E 4304752945 19049 Federal Fee OW DRL P 02/12/ Three Rivers Federal 34-35-720 Three Rivers Fed 34-33-720 34 0705 200E 4304752945 19049 Federal Fee OW DRL P 02/12/ Three Rivers Federal 34-33-720 Three Rivers Fed 34-33-720 34 0705 200E 4304752945 19050 Federal Fee OW DRL P 02/12/ Three Rivers Federal 34-33-720 Three Rivers Fed 34-33-720 34 0705 200E 4304753283 Federal Fee OW DRL P 02/12/ Three Rivers Federal 34-35-720 Three Rivers Fed 34-33-720 35 0705 200E 4304753915 Federal Fee OW DRL P 02/12/ Three Rivers Federal 34-42-720 Three Rivers Fed 34-43-720 35 0705 200E 4304753915 Federal Fee OW DRL P 02/12/ Three Rivers Federal 35-11-720 Three Rivers Fed 35-11-720 35 0705 200E 4304753915 Federal Fee OW DRL P 02/12/ Three Rivers Federal 35-11-720 Three Rivers Fed 35-11-720 35 0705 200E 4304753917 Federal Federal OW APD APRVD 07/25/13 IOO 08/01/ Three Rivers Federal 35-12-720 Three Rivers Fed 35-13-720 35 0705 200E 4304753917 Federal Federal OW APD APRVD 07/25/13 IOO 08/20/ Three Rivers Federal 35-12-720 Three Rivers Fed 35-14-720 35 0705 200E 4304753917 Federal Federal OW APD APRVD 08/20/ Three Rivers Federal 35-12-720 Three Rivers Fed 35-32-720 35 0705 200E 4304753913 Federal Federal OW APD APRVD 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13 IOO 08/20/25/13	Three Rivers Federal 33-13-720	Three Rivers Fed 33-13-720	33	0705	200E			_		_				
Three Rivers Federal 33-24-720 Three Rivers Fed 33-24-720 33 0705 200E 4304753557 19108 Federal Fee OW DRL P O7/09/ THREE RIVERS FED 34-15-720 Three Rivers Fed 34-15-720 34 0705 200E 4304752965 18960 Federal Fee OW P P P O7/10/ THREE RIVERS FED 34-23-720 Three Rivers Fed 34-23-720 34 0705 200E 4304752945 19049 Federal Fee OW DRL P O7/12/ Three Rivers Federal 34-25-720 Three Rivers Fed 34-33-720 34 0705 200E 4304752945 19049 Federal Fee OW APD APRVD D 07/12/ Three Rivers Federal 34-25-720 Three Rivers Fed 34-35-720 34 0705 200E 4304752947 19050 Federal Fee OW APD APRVD D 07/12/ Three Rivers Federal 34-35-720 Three Rivers Fed 34-35-720 34 0705 200E 4304753282 Federal Fee OW APD APRVD D 06/10/ Three Rivers Federal 34-42-720 Three Rivers Fed 34-43-720 35 0705 200E 4304753915 Federal Fee OW APD APRVD D 08/01/ Three Rivers Federal 34-43-720 Three Rivers Fed 35-11-720 35 0705 200E 4304753915 Federal Federal OW APD APRVD D 08/01/ Three Rivers Federal 35-11-720 Three Rivers Fed 35-11-720 35 0705 200E 4304753916 Federal Federal OW APD APRVD D 08/01/ Three Rivers Federal 35-11-720 Three Rivers Fed 35-11-720 35 0705 200E 4304753917 Federal Federal OW APD APRVD D 08/01/ Three Rivers Federal 35-11-720 Three Rivers Fed 35-11-720 35 0705 200E 4304753917 Federal Federal OW APD APRVD D 08/01/ Three Rivers Federal 35-11-720 Three Rivers Fed 35-11-720 35 0705 200E 4304753917 Federal Federal OW APD APRVD D 08/20/ Three Rivers Federal 35-14-720 Three Rivers Fed 35-12-720 35 0705 200E 4304753917 Federal Federal OW APD APRVD D 08/20/ Three Rivers Federal 35-14-720 Three Rivers Fed 35-34-720 35 0705 200E 4304753918 Federal Federal OW APD APRVD D 08/20/ Three Rivers Federal 35-14-720 Three Rivers Fed 35-34-720 35 0705 200E 4304753005 19138 Federal Federal OW APD APRVD D 08/20/ Three Rivers Fed 35-34-720 Three Rivers Fed 35-34-720 35 0705 200E 4304753005 19138 Federal Federal OW APD APRVD D 02/22/ Three Rivers Fed 35-34-720 Three Rivers Fed 35-34-720 35 0705 200E 4304753005 Federal Federal OW APD APRVD D 02/22/ Three Rivers Fed 03-34-820	Three Rivers Federal 33-14-720	Three Rivers Fed 33-14-720	33	0705	200E								- 17	09/16/1
THREE RIVERS FED 34-15-720 Three Rivers Fed 34-15-720 34 070S 200E 4304752965 18960 Federal Fee OW P P P O2/12/Three Rivers Fed 34-23-720 34 070S 200E 4304752945 19049 Federal Fee OW DRL P O2/12/Three Rivers Fed 34-23-720 Three Rivers Fed 34-25-720 34 070S 200E 4304753283 Federal Fee OW DRL P O2/12/Three Rivers Fed 34-33-720 Three Rivers Fed 34-33-720 34 070S 200E 4304753283 Federal Fee OW DRL P O2/12/Three Rivers Fed 34-33-720 Three Rivers Fed 34-35-720 34 070S 200E 4304753282 Federal Fee OW DRL P O2/12/Three Rivers Fed 34-35-720 Three Rivers Fed 34-42-720 35 070S 200E 4304753282 Federal Fee OW APD APRVD O6/10/Three Rivers Fed 34-42-720 Three Rivers Fed 34-42-720 35 070S 200E 4304753915 Federal Fee OW APD APRVD O8/01/Three Rivers Federal 34-42-720 Three Rivers Fed 34-43-720 Three Rivers Fed 34-43-720 Three Rivers Fed 34-43-720 Three Rivers Fed 35-11-720 Three Rivers Fed 3	Three Rivers Federal 33-24-720	Three Rivers Fed 33-24-720	33	070S	200E							P	2	
THREE RIVERS FED 34-23-720	THREE RIVERS FED 34-15-720	Three Rivers Fed 34-15-720	34	070S	200E			Federal	Fee	ow		P	3	07/03/1
Three Rivers Federal 34-25-720 Three Rivers Fed 34-25-720 34 0705 200E 4304753283 Federal Fee	THREE RIVERS FED 34-23-720	Three Rivers Fed 34-23-720	34	070S	200E	4304752945	19049	Federal	Fee	ow	DRL	Р	ш	02/12/13
THREE RIVERS FED 34-33-720 Three Rivers Fed 34-33-720 34 070S 200E 4304752947 19050 Federal Fee OW DRL P 02/22/7  Three Rivers Federal 34-35-720 Three Rivers Fed 34-35-720 35 070S 200E 4304753915 Federal Fee OW APD APRVD 08/01/7  Three Rivers Federal 34-42-720 Three Rivers Fed 34-42-720 35 070S 200E 4304753916 Federal Federal OW APD APRVD 08/01/7  Three Rivers Federal 35-11-720 Three Rivers Fed 35-11-720 35 070S 200E 4304753916 Federal Federal OW APD APRVD 08/01/7  Three Rivers Federal 35-12-720 Three Rivers Fed 35-11-720 35 070S 200E 4304753917 Federal Federal OW APD APRVD 08/01/7  Three Rivers Federal 35-12-720 Three Rivers Fed 35-13-720 35 070S 200E 4304753917 Federal Federal OW APD APRVD 08/01/7  Three Rivers Federal 35-13-720 Three Rivers Fed 35-13-720 35 070S 200E 4304753917 Federal Federal OW APD APRVD 08/01/7  Three Rivers Federal 35-12-720 Three Rivers Fed 35-13-720 35 070S 200E 4304753554 Federal Federal OW APD APRVD 08/20/7  Three Rivers Federal 35-12-720 Three Rivers Fed 35-12-720 35 070S 200E 4304753953 Federal Federal OW APD APRVD 08/22/7  Three Rivers Federal 35-21-720 Three Rivers Fed 35-32-720 35 070S 200E 4304753905 19138 Federal Federal OW APD APRVD 08/22/7  THREE RIVERS FED 35-32-720 Three Rivers Fed 35-32-720 35 070S 200E 4304753005 19138 Federal Federal OW APD APRVD 02/22/7  THREE RIVERS FED 35-34-720 Three Rivers Fed 35-34-720 35 070S 200E 4304753005 19138 Federal Federal OW APD APRVD 02/22/7  Three Rivers Federal 35-43-720 Three Rivers Fed 35-34-720 35 070S 200E 4304753007 Federal Federal OW APD APRVD 02/22/7  Three Rivers Federal 35-43-720 Three Rivers Fed 35-34-720 35 070S 200E 4304753007 Federal Federal OW APD APRVD 02/22/7  Three Rivers Federal 35-42-720 Three Rivers Fed 35-42-720 35 070S 200E 4304753007 Federal Federal OW APD APRVD 02/22/7  Three Rivers Federal 35-43-720 Three Rivers Fed 35-44-720 35 070S 200E 4304753008 Federal Federal OW APD APRVD 02/22/7  Three Rivers Federal 35-44-720 Three Rivers Fed 35-44-720 35 070S 200E 4304753008 Federal Federal OW APD APRVD 02/22/7  Three	Three Rivers Federal 34-25-720	Three Rivers Fed 34-25-720	34	070S	200E	4304753283		Federal	Fee			APRVD		
Three Rivers Federal 34-35-720 Three Rivers Fed 34-35-720 35 070S 200E 4304753915 Federal Federal OW APD APRVD 08/01/1 Three Rivers Federal 34-42-720 Three Rivers Fed 34-42-720 35 070S 200E 4304753915 Federal Federal OW APD APRVD 08/01/1 Three Rivers Federal 35-11-720 Three Rivers Fed 35-11-720 35 070S 200E 4304753916 Federal Federal OW APD APRVD 08/01/1 Three Rivers Federal 35-11-720 Three Rivers Fed 35-11-720 35 070S 200E 4304753917 Federal Federal OW APD APRVD 08/01/1 Three Rivers Federal 35-12-720 Three Rivers Fed 35-13-720 35 070S 200E 4304753917 Federal Federal OW APD APRVD 08/01/1 Three Rivers Federal 35-13-720 Three Rivers Fed 35-13-720 35 070S 200E 4304753554 Federal Federal OW APD APRVD 08/02/1 Three Rivers Federal 35-14-720 Three Rivers Fed 35-14-720 35 070S 200E 4304753554 Federal Federal OW APD APRVD 08/20/1 Three Rivers Federal 35-12-720 Three Rivers Fed 35-14-720 35 070S 200E 4304753553 Federal Federal OW APD APRVD 08/20/1 Three Rivers Federal 35-21-720 Three Rivers Fed 35-21-720 35 070S 200E 4304753943 Federal Federal OW APD APRVD 08/22/1 THREE RIVERS FED 35-32-720 Three Rivers Fed 35-32-720 35 070S 200E 4304753005 19138 Federal Federal OW APD APRVD 02/22/1 THREE RIVERS FED 35-32-720 Three Rivers Fed 35-34-720 35 070S 200E 4304753006 Federal Federal OW APD APRVD 02/22/1 THREE RIVERS FED 35-34-720 Three Rivers Fed 35-42-720 35 070S 200E 4304753006 Federal Federal OW APD APRVD 02/22/1 Three Rivers Federal 35-44-720 Three Rivers Fed 35-44-720 35 070S 200E 4304753007 Federal Federal OW APD APRVD 02/22/1 Three Rivers Federal 35-44-720 Three Rivers Fed 35-44-720 35 070S 200E 4304753008 Federal Federal OW APD APRVD 02/22/1 Three Rivers Federal 35-44-720 Three Rivers Fed 35-44-720 35 070S 200E 4304753008 Federal Federal OW APD APRVD 02/22/1 Three Rivers Federal 35-44-720 Three Rivers Fed 35-44-720 35 070S 200E 4304753008 Federal Federal OW APD APRVD 02/22/1 Three Rivers Fed 03-34-820 Three Rivers Fed 03-34-820 30 080S 200E Federal Federal OW APD APRVD 10/02/22/1 Three Rivers Fed 03-34-820 Three Rivers F	THREE RIVERS FED 34-33-720	Three Rivers Fed 34-33-720	34	070S	200E	4304752947	19050	Federal	Fee	_		Р		
Three Rivers Federal 34-42-720	Three Rivers Federal 34-35-720	Three Rivers Fed 34-35-720	34	070S	200E	4304753282						APRVD	7	
Three Rivers Federal 34-43-720	Three Rivers Federal 34-42-720	Three Rivers Fed 34-42-720	35	070S	200E	4304753915			-				2	
Three Rivers Federal 35-11-720 Three Rivers Fed 35-11-720 35 0705 200E 4304753914 Federal Federal OW APD APRVD 08/01/1 Three Rivers Federal 35-12-720 Three Rivers Fed 35-13-720 35 0705 200E 4304753917 Federal Federal OW APD APRVD 08/01/1 Three Rivers Federal 35-13-720 Three Rivers Fed 35-13-720 35 0705 200E 4304753535 Federal Federal OW APD APRVD 08/02/21/1 Three Rivers Federal 35-14-720 Three Rivers Fed 35-14-720 35 0705 200E 4304753533 Federal Federal OW APD APRVD 08/22/1 THREE RIVERS FED 35-32-720 Three Rivers Fed 35-32-720 35 0705 200E 4304753943 Federal Federal OW APD APRVD 07/25/13 LATER RIVERS FED 35-32-720 Three Rivers Fed 35-32-720 35 0705 200E 4304753005 19138 Federal Federal OW APD APRVD 07/25/13 LATER RIVERS FED 35-34-720 Three Rivers Fed 35-34-720 35 0705 200E 4304753005 19138 Federal Federal OW APD APRVD 02/22/2 THREE RIVERS FED 35-34-720 Three Rivers Fed 35-34-720 35 0705 200E 4304753007 Federal Federal OW APD APRVD 02/22/2 Three Rivers Federal 35-43-720 Three Rivers Fed 35-42-720 35 0705 200E 4304753007 Federal Federal OW APD APRVD 02/22/2 Three Rivers Federal 35-43-720 Three Rivers Fed 35-43-720 35 0705 200E 4304753007 Federal Federal OW APD APRVD 02/22/2 Three Rivers Federal 35-442-720 Three Rivers Fed 35-42-720 35 0705 200E 4304753007 Federal Federal OW APD APRVD 02/22/2 Three Rivers Federal 35-442-720 Three Rivers Fed 35-442-720 35 0705 200E 4304753008 Federal Federal OW APD APRVD 08/8/01/1 Three Rivers Fed 03-34-820 Three Rivers Fed 03-34-820 3 0805 200E 4304753008 Federal Federal OW APD APRVD 1/10/13 2 Three Rivers Fed 03-34-820 Three Rivers Fed 03-34-820 3 0805 200E Federal NA SUB 12/10/13 2 Three Rivers Fed 03-34-820 Three Rivers Fed 03-34-820 3 0805 200E Federal NA SUB 12/10/13 2 Three Rivers Fed 08-31-820 Three Rivers Fed 08-31-820 8 0805 200E Federal NA SUB 12/10/13 3	Three Rivers Federal 34-43-720	Three Rivers Fed 34-43-720	35	070S	200E	4304753916				-			a	
Three Rivers Federal 35-12-720	Three Rivers Federal 35-11-720	Three Rivers Fed 35-11-720	35	070S	200E	4304753944			$\vdash$	_				<del></del>
Three Rivers Federal 35-13-720	Three Rivers Federal 35-12-720	Three Rivers Fed 35-12-720	_		200E						_		57,25,15	
Three Rivers Federal 35-14-720 Three Rivers Fed 35-14-720 35 070S 200E 4304753553 Federal Federal OW APD PERPEND 07/25/13 L  THREE RIVERS FED 35-32-720 Three Rivers Fed 35-32-720 35 070S 200E 430475300S 19138 Federal Federal OW APD PERPEND 07/25/13 L  THREE RIVERS FED 35-32-720 Three Rivers Fed 35-34-720 35 070S 200E 430475300S 19138 Federal Federal OW APD APRVD 02/22/1  THREE RIVERS FED 35-34-720 Three Rivers Fed 35-34-720 35 070S 200E 430475300G Federal Federal OW APD APRVD 02/22/1  THREE RIVERS FED 35-42-720 Three Rivers Fed 35-42-720 35 070S 200E 4304753007 Federal Federal OW APD APRVD 02/22/1  Three Rivers Federal 35-43-720 Three Rivers Fed 35-442-720 35 070S 200E 4304753017 Federal Federal OW APD APRVD 08/01/1  Three Rivers Federal 35-442-720 Three Rivers Fed 35-442-720 35 070S 200E 4304753018 Federal Federal OW APD APRVD 08/01/1  THREE RIVERS FED 35-44-720 Three Rivers Fed 35-442-720 35 070S 200E 4304753018 Federal Federal OW APD APRVD 08/01/1  THREE RIVERS FED 35-44-720 Three Rivers Fed 35-442-720 35 070S 200E 4304753008 Federal Federal OW APD APRVD 08/01/1  Three Rivers Fed 03-34-820 Three Rivers Fed 03-34-820 3 080S 200E Federal Federal OW APD APRVD 10/2/22/1  Three Rivers Fed 03-34-820 Three Rivers Fed 03-34-820 3 080S 200E Federal Federal NA SUB 12/10/13 2  Three Rivers Fed 08-31-820 Three Rivers Fed 08-31-820 8 080S 200E Federal NA SUB 12/10/13 3	Three Rivers Federal 35-13-720	Three Rivers Fed 35-13-720	35	0705	200E								3	<del></del>
Three Rivers Federal 35-21-720	Three Rivers Federal 35-14-720	Three Rivers Fed 35-14-720	35	0705	200E	4304753553		Federal	<del></del>				2	
THREE RIVERS FED 35-32-720			+		-								07/25/13	Ц
THREE RIVERS FED 35-34-720 Three Rivers Fed 35-34-720 35 070S 200E 4304753006 Federal Federal OW APD APRVD 02/22/2  THREE RIVERS FED 35-42-720 Three Rivers Fed 35-42-720 35 070S 200E 4304753007 Federal Federal OW APD APRVD 102/22/2  Three Rivers Federal 35-43-720 Three Rivers Fed 35-43-720 35 070S 200E 4304753918 Federal Federal OW APD APRVD 08/01/2  Three Rivers Federal 35-442-720 Three Rivers Fed 35-442-720 35 070S 200E 4304753919 Federal Federal OW APD APRVD 08/01/2  THREE RIVERS FED 35-44-720 Three Rivers Fed 35-442-720 35 070S 200E 4304753919 Federal Federal OW APD APRVD 08/01/2  Three Rivers Fed 03-34-820 Three Rivers Fed 03-34-820 3 080S 200E Federal Federal NA SUB 12/10/13 2  Three Rivers Fed 03-44-820 Three Rivers Fed 03-44-820 8 080S 200E Federal NA SUB 12/10/13 2  Three Rivers Fed 08-31-820 Three Rivers Fed 08-31-820 8 080S 200E Federal NA SUB 12/10/13 3	THREE RIVERS FED 35-32-720		-				19138							02/22/13
THREE RIVERS FED 35-42-720         Three Rivers Fed 35-42-720         35 070S         200E         4304753007         Federal Federal Federal OW APD APRVD         APRVD         02/22/7           Three Rivers Federal 35-43-720         Three Rivers Fed 35-43-720         35 070S         200E         4304753918         Federal Federal Federal OW APD APRVD         APRVD         08/01/3           Three Rivers Federal 35-442-720         Three Rivers Fed 35-442-720         35 070S         200E         4304753919         Federal Federal OW APD APRVD         APRVD         08/01/3           THREE RIVERS FED 35-44-720         Three Rivers Fed 35-44-720         35 070S         200E         4304753008         Federal Federal Federal OW APD APRVD         408/01/3           Three Rivers Fed 03-34-820         Three Rivers Fed 03-34-820         3 080S         200E         Federal Federal Federal Federal OW APD APRVD         1008/01/10 02/22/1	THREE RIVERS FED 35-34-720		<del></del>							$\overline{}$				
Three Rivers Federal 35-43-720	THREE RIVERS FED 35-42-720		-						-					
Three Rivers Federal 35-442-720			-	_					$\vdash$				6	
THREE RIVERS FED 35-44-720         Three Rivers Fed 35-44-720         35 0705         200E         4304753008         Federal Federal Federal OW APD APRVD         APRVD         10 02/22/1           Three Rivers Fed 03-34-820         Three Rivers Fed 03-34-820         3 0805         200E         Federal         NA SUB         12/10/13			-							<del></del> \$			- 8	<del></del>
Three Rivers Fed 03-34-820         Three Rivers Fed 03-34-820         3 080S         200E         Federal         NA         SUB         12/10/13         12/10/13         Three Rivers Fed 03-44-820         Three Rivers Fed 03-44-820         3 080S         200E         Federal         NA         SUB         12/10/13         2           Three Rivers Fed 08-31-820         Three Rivers Fed 08-31-820         8 080S         200E         Federal         NA         SUB         12/10/13         2           Three Rivers Fed 08-31-820         Three Rivers Fed 08-31-820         8 080S         200E         Federal         NA         SUB         12/07/13         3			$\longrightarrow$						- +	· · · · · · · · · · · · · · · · · · ·				<del></del>
Three Rivers Fed 03-44-820         Three Rivers Fed 03-44-820         3 080S         200E         Federal         NA         SUB         12/10/13         2           Three Rivers Fed 08-31-820         Three Rivers Fed 08-31-820         8 080S         200E         Federal         NA         SUB         12/07/13         3			$\rightarrow$											1
Three Rivers Fed 08-31-820		····				<del></del>								<del>-  </del>
			<del></del>		$\overline{}$									<del>- 5</del>
	Three Rivers Fed 08-41-820	Three Rivers Fed 08-41-820			200E	<del></del>		Federal				SUB	12/07/13	귝

Sundry Number: 57911 API Well Number: 43047532770000

			FORM 9
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE		I OKW 3
	5.LEASE DESIGNATION AND SERIAL NUMBER: Patented		
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Three Rivers 18-31-821
2. NAME OF OPERATOR: ULTRA RESOURCES INC			9. API NUMBER: 43047532770000
3. ADDRESS OF OPERATOR: 304 Inverness Way South #	#295 , Englewood, CO, 80112	PHONE NUMBER: 303 645-9809 Ext	9. FIELD and POOL or WILDCAT: GYPSUM HILLS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0503 FNL 2626 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NENW Section:	HIP, RANGE, MERIDIAN: 18 Township: 08.0S Range: 21.0E Merio	tian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
12/19/2014	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	_		
Date of Spau.	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
Ultra respectfully re	completed operations. Clearly show a equests a one year extension . This is the first extension th	n of the state permit for	Approved by the Unate Office of the Control of the
NAME (PLEASE PRINT)	PHONE NUMB		
Jenna Anderson	303 645-9804	Permitting Assistant	
SIGNATURE N/A		<b>DATE</b> 11/19/2014	

Sundry Number: 57911 API Well Number: 43047532770000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047532770000

**API:** 43047532770000

Well Name: Three Rivers 18-31-821

Location: 0503 FNL 2626 FWL QTR NENW SEC 18 TWNP 080S RNG 210E MER S

Company Permit Issued to: ULTRA RESOURCES INC

Date Original Permit Issued: 12/18/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes</li> <li>No</li> </ul>
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No

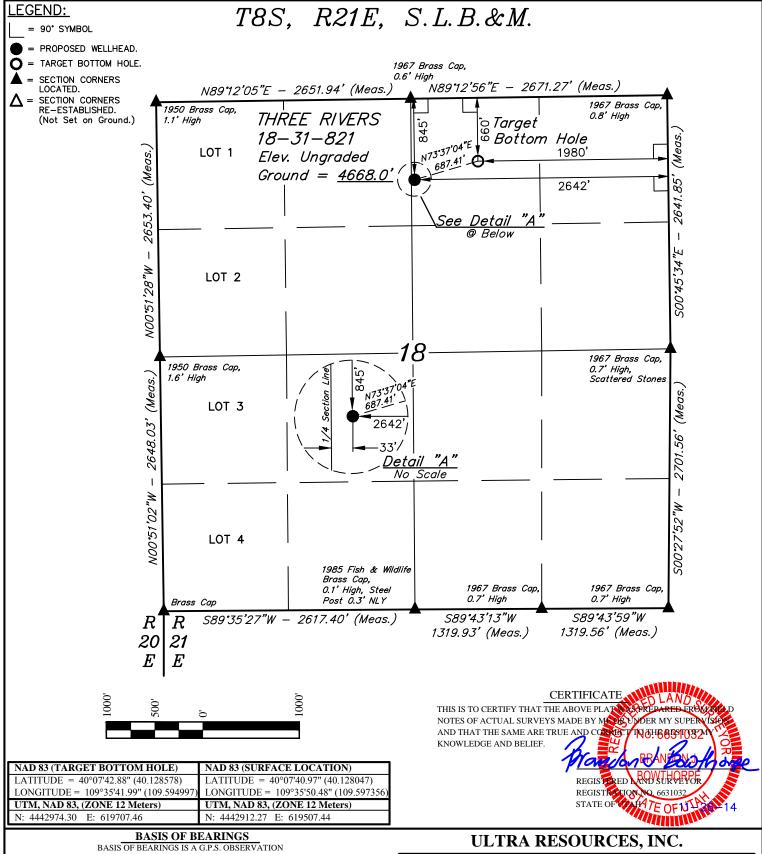
Signature: Jenna Anderson Date: 11/19/2014

Title: Permitting Specialist Representing: ULTRA RESOURCES INC

Sundry Number: 61135 API Well Number: 43047532770000

	STATE OF UTAH		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: Patented		
SUNDF	RY NOTICES AND REPORTS OF	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly de reenter plugged wells, or to drill horizonta n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Three Rivers 18-31-821
2. NAME OF OPERATOR: ULTRA RESOURCES INC			9. API NUMBER: 43047532770000
3. ADDRESS OF OPERATOR: 304 Inverness Way South #	PI #295 , Englewood, CO, 80112	HONE NUMBER: 303 645-9809 Ext	9. FIELD and POOL or WILDCAT: GYPSUM HILLS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0845 FNL 2642 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 18 Township: 08.0S Range: 21.0E Meridia	n: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Ultra requests the program: (1) Chan TVD; (2) Change S FEL per attached	CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS  DEEPEN  OPERATOR CHANGE  PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION  TUBING REPAIR  WATER SHUTOFF  WILDCAT WELL DETERMINATION  COMPLETED OPERATIONS. Clearly show all properties of the company of the	ad design and drilling VD to 6475 MD/6391 to 845' FNL & 2642' ate drilling plan and	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  APD EXTENSION  OTHER:  Depths, volumes, etc.  Approved by the URebr Davis 26, 2015  Oil, Gas and Mining  Date:  By:
NAME (PLEASE PRINT)	PHONE NUMBER		
Jenna Anderson SIGNATURE	303 645-9804	Permitting Assistant  DATE	
N/A		2/26/2015	

Sundry Number: 61135 API Well Number: 43047532770000



#### **BASIS OF ELEVATION**

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET



UELS, LLC Corporate Office \* 85 South 200 East Vernal, UT 84078 \* (435) 789-1017

**THREE RIVERS #18-31-821** NW 1/4 NE 1/4, SECTION 18, T8S, R21E, S.L.B.&M. UÍNTAH COUNTY, ÚTAH

SURVEY DATE: 09-04-12
DATE DRAWN: 09-05-12
REVISED: 11-20-14 H.W.

WELL LOCATION PLAT

## **ULTRA RESOURCES, INC.**

### **8 - POINT DRILLING PROGRAM**

Slim Hole Design 8 5/8" Surface & 5 ½" Production Casing Design

**DATED: 2-25-15** 

**Three Rivers 18-31-821** 

**SHL: Sec 18 (NWNE) T8S R21E** 

Uintah, Utah

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations and the approved Application for Permit to Drill (APD). The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations.

Three Rivers 18-31-821 Page 2 of 5

## 1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation Top	Top (TVD)	Comments
Uinta	Surface	
BMSW	1,856' MD / 1,850' TVD	
Green River	2,380' MD / 2,356' TVD	
Mahogany	3,776' MD / 3,701' TVD	
Garden Gulch	4,390' MD / 4,306' TVD	Oil & Associated Gas
Lower Green River*	4,555' MD / 4,471' TVD	Oil & Associated Gas
Wasatch	6,275' MD / 6,191' TVD	Oil & Associated Gas
TD	6.475' MD / 6.391' TVD	

#### Asterisks (\*) denotes target pay intervals

All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished to the appropriate agencies. Oil and gas shows will be adequately tested for commercial possibilities, reported and protected by casing and cement.

## 2. BOP Equipment

- **A)** The BOPE shall be closed whenever the well is unattended. The appropriate agencies will be notified 24 hours prior to all BOPE pressure tests.
- **B**) The BOPE shall be closed whenever the well is unattended.
- C) All BOPE connections subjected to well pressure will be flanged, welded, or clamped.

#### **D**) Choke Manifold

- 1) Tee blocks or targeted 'T's will be used and anchored to prevent slip and reduce vibration.
- 2) Two adjustable chokes will be used in the choke manifold.
- All valves (except chokes) in kill line choke manifold and choke line will not restrict the flow.
- 4) Pressure gauges in the well control system will be designed for drilling fluid.

#### **E**) BOPE Testing:

- 1) BOPE shall be pressure tested when initially installed, whenever any seal subject to pressure testing is broken, or after repairs.
- 2) All BOP tests will be performed with a test plug in place.
- 3) BOP will be tested to full stack working pressure and annular preventer to 50% stack working pressure.

<u>INTERVAL</u> 0 - 1,000' MD / 1, 000' TVD 1,000' MD / 1, 000' TVD - 6,475' MD / 6,391' TVD **BOP EQUIPMENT**11" Diverter with Rotating Head

3,000# Ram Double BOP & Annular with Diverter & Rotating Head

NOTE: Drilling spool to accommodate choke and kill lines.

# 3. Casing and Float Equipment Program

#### **CASING:**

Directional Well	Hole Size	OD	Depth MD/TVD	Wt.	Grade & Connection	Cond.
Conductor	20"	16"	+/- 100' MD / 100' TVD	109.0 ppf	C-75	New
Surface	11"	8 5/8"	1,000' MD / 1,000' TVD	24.0 ppf	J-55, LTC	New
Production	7 7/8"	5 ½"	4,475' MD / 4,391' TVD	17.0 ppf	J-55, LTC	New
			6,475'MD / 6,391' TVD	17.0 ppf	N/L-80,	New

Three Rivers 18-31-821 Page **3** of **5** 

	LTC	
--	-----	--

#### **CASING SPECIFICATIONS:**

Directional Well	Casing OD	Casing ID / Drift ID	Collapse (psi)	Int. Yield (psi)	Ten. Yield (lb)	Jt. Strength (lb)
Surface	8 5/8"	8.097" / 7.972"	1,370	2,950	381,000	244,000
Production	5 ½"	4.892" / 4.767"	4,910	5,320'	273,000	229,000
			6,280	7,740	397,000	348,000

## FLOAT EQUIPMENT:

SURFACE (8 5/8") Float Shoe, 1 joint casing, float collar

Centralizers: 1 each 1<sup>st</sup> 4 Joints then every 4<sup>th</sup> joint to surface

PRODUCTION (5 ½") Float Shoe, 1 joint casing, float collar

Centralizers: 1 each 1st 4 Joints then every 3rd joint to 500' into surface casing

# 4. <u>Cementing Programs</u>

**CONDUCTOR (13 %")** Ready Mix – Cement to surface

SURFACE (8 5/8") Cement Top - Surface

Surface – 1,000' MD / 1,000' TVD± 550 sks Glass G Cement w/ additives, 15.8 ppg, 1.16 cf/sx, 50% excess

Note: The above volumes are based on a gauge-hole +50% excess.

**PRODUCTION** (5 ½") Cement Top – 500"

500' - 4,000' TVD  $\pm$  Lead: 225 sks – Econocem Cement w/ 0.25 lbm Poly-E-Flake, 1%

Granulite TR ¼, 5 lbm Kol-Seal; 11.0 ppg; 3.54 cf/sx; 15% excess

4,000' - 6,475' MD / 6,391' TVD Tail: 450 sks, Expandacem Cement w/ 0.25 lbm Poly-E-Flake, 1 lbm

Granulite TR ¼, 2 lbm Kol-Seal; 14.0 pp; 1.349 cf/sk; 15% excess

Note: Lead Cement will be brought to 4,000' which will give a minimum of 500' above Lower Green River.

- A) For Surface casing, if cement falls or does not circulate to surface, cement will be topped off.
- B) Cement will not be placed down annulus with a 1" pipe unless BLM is contacted.
- C) The appropriate agencies will be notified 24 hours prior to running casing and cementing.
- **D)** All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe (minimum of 8 hours) prior to drilling out.
- E) Prior to drilling out cement, casing will be pressure tested to 1500 psi. Pressure decline must not be greater than 10% (150 psi) in 30 minutes.
- **F**) "Sundry Notices and Reports on Wells", shall be filed with the appropriate agencies within 30 days after the work in completed.
- G) Setting of each string of casing, size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
- **H)** Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.
- I) A pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed after drilling 5-10 feet of new hole.

Three Rivers 18-31-821 Page **4** of **5** 

#### 5. Mud Program

The proposed circulating mediums to be employed in drilling are as follows:

Interval	Mud Type	Viscosity	Fluid Loss	pН	Mud Wt. (ppg)
0 – 1,000' MD / 1,000' TVD	Water/Spud Mud	32	No Control (NC)	7.0 -8.2	<8.8
1,000' MD / 1,000' TVD - 6,475' MD / 6,391' TVD	DAP System	40 - 60	10 - 18	7.0-8.2	<10.0

- A) Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control during the course of drilling operations. A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.
- **B**) The mud monitoring equipment on location will be installed by top of Green River and will be able to monitor at a minimum the pit volume totalizer (PVT), stroke counter, and flow sensor
- C) Flare line discharge will be located no less than 100 feet from the wellhead using straight or targeted 'T' and anchors.

## 6. Evaluation Program - Testing, Logging, and Coring

- **A)** Cores: None anticipated.
- **B)** Testing: None anticipated.
- **C)** Directional Drilling: Directional tools will be used to locate the bottom hole per the attached directional plan +/-.
- **D)** Open Hole Logs: TD to surface casing: resistivity, neutron density, gamma ray and caliper.
- **E)** Mud Logs: None anticipated.
- F) Formation to TD; record and monitor gas shows and record drill times (normal mud logging duties).

#### 7. Anticipated Pressures and H.S.

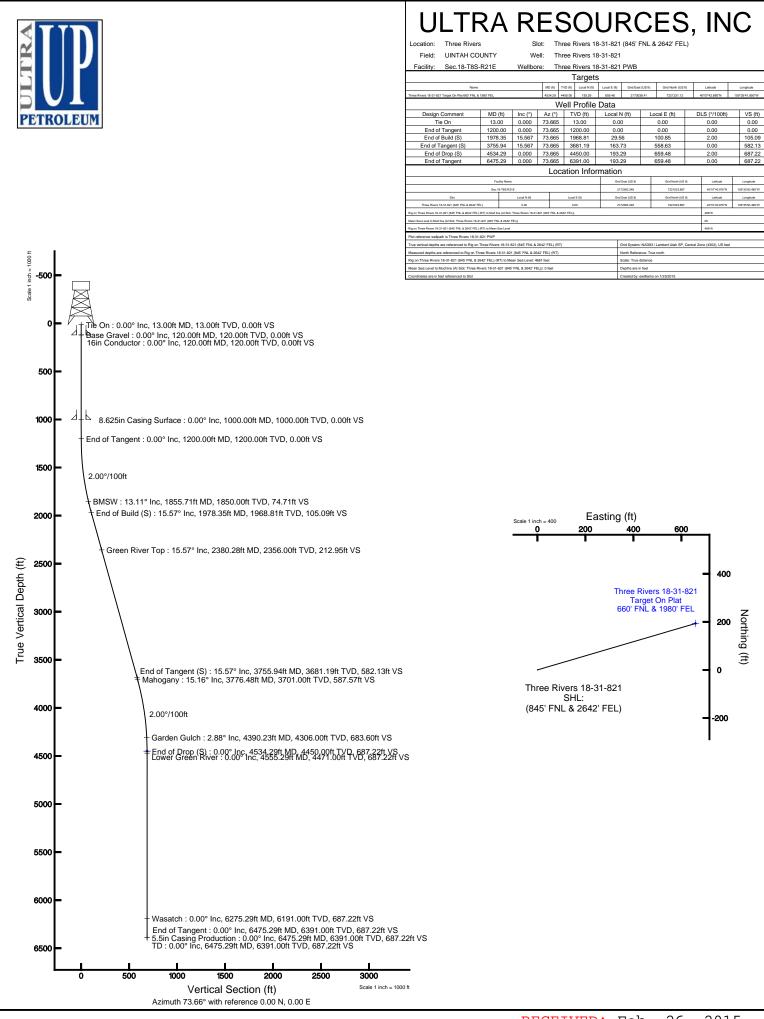
- A) The expected bottom hole pressure is 3,500 3,650 psig. Normal pressures are anticipated from surface to approximately TD. These pressures will be controlled by a blowout preventer stack, annular BOP, choke manifold, mud/gas separator, surface equipment and drilling mud. A supply of barite to weight the mud to a balancing specific gravity, if necessary, will be on location.
- **B)** Maximum expected surface pressure will be based on the frac gradient of the casing shoe. The design of the casing assumes that the MASP will be the fracture pressure at the shoe less a column of gas.
- C) No hydrogen sulfide gas is anticipated, however if H<sub>2</sub>S is encountered, published guidelines will be complied with.

### 8. Other Information and Notification Requirements

- **A)** There shall be no deviation from the proposed drilling plan as approved. Any changes in operation must have prior approval from the appropriate agency.
  - 1) Anticipated starting date will be upon approval. It is anticipated that completion operations will begin within 15 days after the well has been drilled.
  - 2) It is anticipated that the drilling and completion of this well will take approximately 90 days.
- **B**) Agency required notifications will be followed as outline in the approved APD.
- C) Should the well be successfully completed for production, the appropriate agencies must be notified when it is placed in a producing status. The notification shall provide, as a minimum, the following information items:

Three Rivers 18-31-821 Page **5** of **5** 

- Operator name, address, and telephone number.
- . Well name and number.
- . Well location (1/4 1/4, Section, Township, Range and Meridian)
- Date well was placed in a producing status (date of first production for which royalty will be paid).
- The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
- The lease prefix and number on which the well is located. As appropriate, the unit agreement name, number and participating area name. As appropriate, the communitization agreement number.



Page 1 of 5

Sundry Number: 61135 API Well Number: 43047532770000



# Planned Wellpath Report Three Rivers 18-31-821 PWP Page 1 of 5





REFERENC	REFERENCE WELLPATH IDENTIFICATION						
Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 18-31-821 (845' FNL & 2642' FEL)				
Area	Three Rivers	Well	Three Rivers 18-31-821				
Field	UINTAH COUNTY	Wellbore	Three Rivers 18-31-821 PWB				
Facility	Sec.18-T8S-R21E						

REPORT SETUP INFORMATION							
Projection System	NAD83 / Lambert Utah SP, Central Zone (4302), US feet	Software System	WellArchitect® 3.0.0				
North Reference	True	User	Ewilliams				
Scale	0.999912	Report Generated	1/23/2015 at 1:51:57 PM				
Convergence at slot	n/a	Database/Source file	WellArchitectDB/Three_Rivers_18-31-821_PWB.xml				

WELLPATH LOCATION							
	Local coor	dinates	Grid c	oordinates	Geographic coordinates		
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude	
Slot Location	0.00	0.00	2172383.25	7221023.87	40°07'40.970"N	109°35'50.480"W	
Facility Reference Pt			2172383.25	7221023.87	40°07'40.970"N	109°35'50.480"W	
Field Reference Pt			2156630.96	7236613.42	40°10'18.270"N	109°39'09.100"W	

WELLPATH DATUM						
Calculation method	Minimum curvature	Rig on Three Rivers 18-31-821 (845' FNL & 2642' FEL) (RT) to Facility Vertical Datum	4681.			
Horizontal Reference Pt	Slot	Rig on Three Rivers 18-31-821 (845' FNL & 2642' FEL) (RT) to Mean Sea Level	4681.			
Vertical Reference Pt	Rig on Three Rivers 18-31-821 (845' FNL & 2642' FEL) (RT)	Rig on Three Rivers 18-31-821 (845' FNL & 2642' FEL) (RT) to Mud Line at Slot (Three Rivers 18-31-821 (845' FNL & 2642' FEL)	) 4681.			
MD Reference Pt	Rig on Three Rivers 18-31-821 (845' FNL & 2642' FEL) (RT)	Section Origin	N 0.0			
Field Vertical Reference	Mean Sea Level	Section Azimuth	73.66			



# Planned Wellpath Report Three Rivers 18-31-821 PWP Page 2 of 5



REFERENCE WELLPATH IDENTIFICATION							
Operator	ULTRA RESOURCES, INC Slot Three Rivers 18-31-821 (845' FNL & 2642' FEL)						
Area	Three Rivers	Well	Three Rivers 18-31-821				
Field	UINTAH COUNTY	Wellbore	Three Rivers 18-31-821 PWB				
Facility	Sec.18-T8S-R21E	[					

										ATA (78 stations	
s	Co	DLS [°/100ft]	Longitude	Latitude	East [ft]	North [ft]	Vert Sect [ft]	TVD [ft]	Azimuth [°]	Inclination [°]	MD [ft]
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00		0.00	73.665	0.000	0.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	13.00	73.665	0.000	13.00
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	113.00	73.665	0.000	113.00†
el	00 Ba		109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	120.00	73.665	0.000	120.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	213.00	73.665	0.000	213.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	313.00	73.665	0.000	313.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	413.00	73.665	0.000	413.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00		513.00	73.665	0.000	513.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	613.00	73.665	0.000	613.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	713.00	73.665	0.000	713.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	813.00	73.665	0.000	813.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	913.00	73.665	0.000	913.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	1013.00	73.665	0.000	1013.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	1113.00	73.665	0.000	1113.00†
		0.00	109°35'50.480"W	40°07'40.970"N	0.00	0.00	0.00	1200.00	73.665	0.000	1200.00
		2.00	109°35'50.480"W	40°07'40.970"N	0.03	0.01	0.03	1213.00	73.665	0.260	1213.00†
		2.00	109°35'50.452"W	40°07'40.976"N	2.14	0.63	2.23	1312.97	73.665	2.260	1313.00†
		2.00	109°35'50.382"W	40°07'40.992"N	7.60	2.23	7.91	1412.80	73.665	4.260	1413.00†
		2.00	109°35'50.269"W	40°07'41.017"N	16.39	4.80	17.08	1512.38	73.665	6.260	1513.00†
		2.00	109°35'50.113"W	40°07'41.053"N	28.52	8.36	29.72	1611.57	73.665	8.260	1613.00†
		2.00	109°35'49.914"W	40°07'41.097"N	43.96	12.88	45.81	1710.26	73.665	10.260	1713.00†
		2.00	109°35'49.673"W	40°07'41.152"N	62.70	18.38	65.33	1808.33	73.665	12.260	1813.00†
	00 BM	2.00	109°35'49.557"W 109°35'49.390"W	40°07'41.178"N 40°07'41.215"N	71.70 84.71	21.01 24.83	74.71 88.27	1850.00	73.665	13.114	1855.71† 1913.00†
		2.00			100.85		88.27 105.09	1905.66 1968.81	73.665	14.260 15.567	
		0.00	109°35'49.182"W 109°35'49.067"W	40°07'41.262"N 40°07'41.288"N	100.85	29.56 32.17	105.09	2002.19	73.665 73.665	15.567	1978.35 2013.00†
		0.00	109°35'48.735"W	40°07'41.288 N 40°07'41.363"N	135.52	39.72	141.22	2002.19	73.665	15.567	2113.00†
		0.00	109°35'48.404"W	40°07'41.437"N	161.28	47.27	141.22	2194.85	73.665	15.567	2213.00†
		0.00	109°35'48.072"W	40°07'41.512"N	187.03	54.82	194.90	2291.18	73.665	15.567	2313.00†
er Top			109°35'47.849"W	40°07'41.562"N	204.36	59.90		2356.00	73.665	15.567	2380.28†
51 TOP		0.00	109 33 47.849 W 109°35'47.741"W	40°07'41.586"N	212.78	62.36	221.73	2387.51	73.665	15.567	2413.00†
		0.00	109°35'47.409"W	40°07'41.661"N	238.54	69.91	248.57	2483.85	73.665	15.567	2513.00†
		0.00	109°35'47.078"W	40°07'41.735"N	264.29	77.46	275.41	2580.18	73.665	15.567	2613.00†
		0.00	109°35'46.746"W	40°07'41.810"N	290.04	85.01	302.24	2676.51	73.665	15.567	2713.00†
		0.00	109 33 40.740 W	40°07'41.885"N	315.80	92.56	329.08	2772.84	73.665	15.567	2813.00†
		0.00	109°35'46.083"W	40°07'41.959"N	341.55	100.10	355.92	2869.17	73.665	15.567	2913.00†
		0.00	109°35'45.751"W	40°07'42.034"N	367.30	107.65	382.75	2965.51	73.665	15.567	3013.00†
		0.00	109°35'45.751 W	40°07'42.108"N	393.05	115.20	409.59	3061.84	73.665	15.567	3113.00†
		0.00	109°35'45.420 W	40°07'42.183"N	418.81	122.75	436.43	3158.17	73.665	15.567	3213.00†
		0.00	109°35'44.757"W	40°07'42.183 N	444.56	130.30	463.26	3254.50	73.665	15.567	3313.00†
		0.00	109°35'44.425"W	40°07'42.332"N	470.31	137.85	490.10	3350.83	73.665	15.567	3413.00†
		0.00	109°35'44.094"W	40°07'42.407"N	496.07	145.39	516.94	3447.16	73.665	15.567	3513.00†
		0.00	109°35'43.762"W	40°07'42.481"N	521.82	152.94		3543.50	73.665	15.567	3613.00†
		0.00	109°35'43.431"W	40°07'42.556"N	547.57	160.49	570.61	3639.83	73.665	15.567	3713.00†
		0.00	109°35'43.288"W	40°07'42.588"N	558.63	163.73		3681.19	73.665	15.567	3755.94



# Planned Wellpath Report Three Rivers 18-31-821 PWP Page 3 of 5



REFERENCE WELLPATH IDENTIFICATION							
Operator	ULTRA RESOURCES, INC Slot Three Rivers 18-31-821 (845' FNL & 2642' FEL)						
Area	Three Rivers	Well	Three Rivers 18-31-821				
Field	UINTAH COUNTY	Wellbore	Three Rivers 18-31-821 PWB				
Facility	Sec.18-T8S-R21E	[					

WELLPATH DATA (78 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3776.48†	15.156	73.665	3701.00	587.57	165.26	563.85	40°07'42.603"N	109°35'43.221"W	2.00	Mahogany
3813.00†	14.426	73.665	3736.31	596.90	167.88	572.80	40°07'42.629"N	109°35'43.106"W	2.00	
3913.00†	12.426	73.665	3833.57	620.11	174.41	595.08	40°07'42.693"N	109°35'42.819"W	2.00	
4013.00†	10.426	73.665	3931.58	639.92	179.98	614.09	40°07'42.749"N	109°35'42.574"W	2.00	
4113.00†	8.426	73.665	4030.23	656.30	184.59	629.81	40°07'42.794"N	109°35'42.372"W	2.00	
4213.00†	6.426	73.665	4129.38	669.22	188.23	642.21	40°07'42.830"N	109°35'42.212"W	2.00	
4313.00†	4.426	73.665	4228.93	678.68	190.88	651.28	40°07'42.856"N	109°35'42.096"W	2.00	
4390.23†	2.881	73.665	4306.00	683.60	192.27	656.00	40°07'42.870"N	109°35'42.035"W	2.00	Garden Gulch
4413.00†	2.426	73.665	4328.75	684.65	192.57	657.01	40°07'42.873"N	109°35'42.022"W	2.00	
4513.00†	0.426	73.665	4428.71	687.14	193.27	659.40	40°07'42.880"N	109°35'41.991"W	2.00	
4534.29	0.000	73.665	4450.00 <sup>1</sup>	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	2.00	
4555.29†	0.000	73.665	4471.00	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	Lower Green River
4613.00†	0.000	73.665	4528.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
4713.00†	0.000	73.665	4628.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
4813.00†	0.000	73.665	4728.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
4913.00†	0.000	73.665	4828.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
5013.00†	0.000	73.665	4928.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
5113.00†	0.000	73.665	5028.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
5213.00†	0.000	73.665	5128.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
5313.00†	0.000	73.665	5228.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
5413.00†	0.000	73.665	5328.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
5513.00†	0.000	73.665	5428.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
5613.00†	0.000	73.665	5528.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
5713.00†	0.000	73.665	5628.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
5813.00†	0.000	73.665	5728.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
5913.00†	0.000	73.665	5828.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
6013.00†	0.000	73.665	5928.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
6113.00†	0.000	73.665	6028.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
6213.00†	0.000	73.665	6128.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
6275.29†	0.000	73.665	6191.00	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	Wasatch
6313.00†	0.000	73.665	6228.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
6413.00†	0.000	73.665	6328.71	687.22	193.29	659.48	40°07'42.880"N	109°35'41.990"W	0.00	
6475 29	0.000	73 665	6391 00	687 22	193 29	659 48	40°07'42 880"N	109°35'41 990"W	0.00	TD

Page 4 of 5

Sundry Number: 61135 API Well Number: 43047532770000



# Planned Wellpath Report Three Rivers 18-31-821 PWP Page 4 of 5



REFERENC	REFERENCE WELLPATH IDENTIFICATION							
Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 18-31-821 (845' FNL & 2642' FEL)					
Area	Three Rivers	Well	Three Rivers 18-31-821					
Field	UINTAH COUNTY	Wellbore	Three Rivers 18-31-821 PWB					
Facility	Sec.18-T8S-R21E							

HOLE & CASING SECTIONS - Ref Wellbore: Three Rivers 18-31-821 PWB Ref Wellpath: Three Rivers 18-31-821 PWP											
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]		
16in Conductor	13.00	120.00	107.00	13.00	120.00	0.00	0.00	0.00	0.00		
12.25in Open Hole	120.00	1000.00	880.00	120.00	1000.00	0.00	0.00	0.00	0.00		
8.625in Casing Surface	13.00	1000.00	987.00	13.00	1000.00	0.00	0.00	0.00	0.00		
7.875in Open Hole	1000.00	6475.29	5475.29	1000.00	6391.00	0.00	0.00	193.29	659.48		
5.5in Casing Production	13.00	6475.29	6462.29	13.00	6391.00	0.00	0.00	193.29	659.48		

TARGETS											
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape		
1) Three Rivers 18-31-821 Target On Plat 660' FNL & 1980' FEL	4534.29	4450.00	193.29	659.48	2173038.41	7221231.12	40°07'42.880"N	109°35'41.990"W	point		
& 1900 FEL											

Page 5 of 5

Sundry Number: 61135 API Well Number: 43047532770000



# Planned Wellpath Report Three Rivers 18-31-821 PWP Page 5 of 5



REFERENCE WELLPATH IDENTIFICATION							
Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 18-31-821 (845' FNL & 2642' FEL)				
Area	Three Rivers	Well	Three Rivers 18-31-821				
Field	UINTAH COUNTY	Wellbore	Three Rivers 18-31-821 PWB				
Facility	Sec.18-T8S-R21E	[					

WELLPATH COMMENTS										
MD	Inclination	Azimuth	TVD	Comment						
[ft]	[°]	[°]	[ft]							
120.00	0.000	73.665	120.00	Base Gravel						
1855.71	13.114	73.665	1850.00	BMSW						
2380.28	15.567	73.665	2356.00	Green River Top						
3776.48	15.156	73.665	3701.00	Mahogany						
4390.23	2.881	73.665	4306.00	Garden Gulch						
4555.29	0.000	73.665	4471.00	Lower Green River						
6275.29	0.000	73.665	6191.00	Wasatch						
6475.29	0.000	73.665	6391.00	TD						



# Ultra Resources, Inc.

February 26, 2015

Mr. Dustin Doucet
Utah Division of Oil, Gas & Mining
1594 West North Temple
Salt Lake City, Utah 84116

**RE: Request for Exception to Spacing** 

**Three Rivers 18-31-821** 

Surface Location: 845' FNL & 2642' FEL, NWNE, Sec. 18, T8S, R21E Target Location: 660' FNL & 1980' FEL, NWNE, Sec. 18, T8S, R21E

SLB&M, Uintah County, Utah

Dear Mr. Doucet:

Ultra Resources, Inc. ("Ultra") respectfully submits this request for exception to spacing (Docket No. 2013-030 / Cause No. 270-02) based on geology since the well is located less than 100 feet to the drilling unit boundary.

The adjacent drilling unit boundary is covered by the same lease and has the identical production interest owners in it.

Ultra owns 100% of the leasehold within 460 feet of the surface and target location as well as all points along the intended well bore path.

Thank you very much for your timely consideration of this application. Please feel free to contact me at 303-645-9804 should you have any questions or need additional information.

Sincerely,

Jenna Anderson Permitting Specialist



# State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

December 24, 2015

JOHN R. BAZA
Division Director

Ultra Resources, Inc. 116 Inverness Dr. E Ste. 400 Englewood, CO 80112

Re:

APD Rescinded - Three Rivers 18-31-821, Sec. 18, T. 8S, R. 21E

Uintah County, Utah API No. 43-047-53277

#### Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on December 18, 2012. On November 18, 2013 and November 25, 2014 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective December 24, 2015.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

**Environmental Scientist** 

cc:

Well File

Brad Hill, Technical Service Manager

